Trade and Industry

20 April 1979 Every Friday 40p

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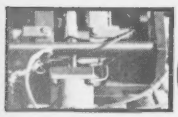

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Trade and Industry

20 April 1979

News from the Departments of Industry·Trade·Prices & Consumer Protection

Our quarterly Trade promotions guide is published this week as a pull-out section in the centre of the magazine.

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Home news

Government supports major expansion plan for Slough power station

Slough Estates Ltd has awarded contracts totalling £9 million for the installation of new electricity generating equipment at the power station on its industrial estate in Slough. Because the new installation meets high standards of efficiency and therefore energy conservation, it is eligible for a grant under the Department of Industry's energy conservation scheme which will amount to up to 22 per cent of the expenditure.

The contract has been awarded to John Brown Gas Turbines with Babcock and Wilcox as nominated sub-contractor for the provision of the boiler plant. The project is being engineered and managed by Slough Estates in conjunction with Preece, Cardew and Rider, consulting engineers.

The existing power station has been progressively expanded to meet the increasing needs of industry since the trading estate was established in the early 1920s. Total capacity is now 67.5 MW and the new heavy duty industrial gas turbine will have a capacity of 23 MW.

This new gas turbine will be operated in conjunction with a waste heat boiler which uses the energy remaining in the exhaust gas from the turbine. The boiler installation can be fired separately. The new installation will embody the latest technology in fuel-burning efficiency and will be capable of operating on either natural gas distillation or residual fuel oil.

The Slough Estates power station currently provides electricity and steam to over 800 industrial users on the estate employing some 26 000 people as well as 2000 residential and commercial users outside the confines of the estate.

Dust victims to get compensation

Provisions of the Pneumoconiosis etc (Workers' Compensation) Bill will come into force on 4 July. It is hoped that payment of compensation will begin in early autumn of this year. A detailed guide to procedure for claimants will be issued by the Department of Employment as soon as possible.

The act provides for lump sum payments from the government to people who are certified as disabled by pneumoconiosis (which includes silicosis, asbestosis, kaolinosis), byssinosis or diffuse mesothelioma, and have not received compensation from their employers and are now unable to claim through the courts because the employers in whose service they contracted the disease have gone out of business. It also provides for such payments to the dependants of people who were certified as disabled by one of the diseases at the time of their death – or where the dependant is receiving death benefit because of the disease.

Qualification for payment is related to the diseases rather than the industry in which the disabled person worked. Industries concerned include textiles, iron ore mining, potteries, slate quarrying, foundries and work with asbestos.

Details of the scale of payments are still being worked out. They will vary according to the degree of disability and are likely to range from a minimum of £300 to a maximum of £10,000. They will be set out in regulations which will also explain how claims should be made. It is estimated that the initial cost is unlikely to exceed about £5 million with a probable annual cost thereafter of around £70,000.

Expansion of vocational preparation proposed

Proposals for expanding vocational preparation for 16 to 18-year-olds in employment are contained in a consultative paper published jointly by the secretaries of state for employment, education and science, industry, Scotland and Wales.

The proposals include the development of 'traineeships' formally recognised in the same way as apprenticeships for young people in their early months at work. These traineeships would be work-based, last several months and would provide an integrated programme of education and training both on and off the job, combining elements of induction, basic job skills and knowledge, and personal skills needed at work and in adult life generally.

Traineeships would be provided in a joint enterprise between the training and the education services. The industrial training boards (ITBs) and other national training bodies would act as a focal point for developing traineeship programmes for their sectors.

The further education service would have a vital role in the programme, especially in providing the off the job elements of vocational preparation. The careers and youth services would also be involved in a variety of ways.

The document explains that the aim of the proposals is to give more help to the 200 000 or more young people who each year take jobs where there is no further education or significant planned training. Their performance in their present job should be improved and their adaptability and potential for the future increased.

The proposals are intended to build on the experience already gained from the pilot programme of unified vocational preparation and from the youth opportunities programme for the young employed. Decisions on these proposals will depend on the outcome of the consultations and the availability of resources.

Progress after any decisions would then depend on the full participation of the agencies and organisations concerned – particularly the training boards and the further education service, but also the careers service and youth service – working together with employers to provide a wide variety of traineeships geared to the needs of individuals and their employers.

The consultative paper envisages a voluntary approach under which initially employers would be helped with grants covering the main costs of participating in the programme. It proposes that a target would be set, for example, that one-third of new entrants to employment should be receiving vocational preparation three years after the start of the programme.

The target would then be reviewed to see if a new target should be set or if some statutory reinforcement to the programme was called for.

BR improves again on financial objectives

British Rail had an operating surplus before interest of £58.3 million in 1978. In its annual report published on 11 April the board says that it again delivered its contract with the government on passenger services, beating the agreed price by £8 million. This was £56 million below the cash limit set by government.

More passengers travelled more often and for longer distances and passenger miles recorded were the highest for four years, with passenger volume up by 3 per cent. Non-passenger rail activities made a small surplus in 1978 with the combined freight and parcels businesses meeting financial targets only three years after requiring government support of £66 million.

The Queen's award for export achievement was earned by Transmark, the board's transport consultancy, for a near sixfold increase in overseas' earnings. British Rail Engineering won export orders worth £50 million.

Leyland delivery vans for Post Office

The Post Office has chosen Leyland to supply more than 800 postal delivery vans from a number of competitive manufacturers. The vans, which will be delivered during the next 12 months, are worth a total of more than £5 million. They will be built at the Leyland Bathgate plant in West Lothian.

Photographic code of practice concluded

A photographic code of practice supported by about 16 000 firms is to come into effect on 1 May.

Launching the code on 10 April, Director General of Fair Trading Gordon Borrie said it should help reduce the 3000 complaints about cameras and film processing which reach the Office of Fair Trading each year via local consumer advisers.

The code is supported by seven trade associations representing retailers, manufacturers, importers, film processors, repairers, and professional photographers. The 16 000 firms supporting it account for more than 75 per cent of the photographic trade in the United Kingdom. The public will be able to identify member firms by a code of practice symbol.

The code sets out the obligations of member firms which, for retailers, include promises to

☐ Supply pamphlets and a reference manual with each piece of equipment, to include information on operation, care and maintenance, diagnosis of faults, guarantee terms and servicing procedures

☐ Allow the customer to inspect the manufacturer's guarantee before purchase

☐ Quote delivery dates in writing – when taking a deposit – and offer refunds when those delivery dates cannot be met.

The code will also oblige retailers to display price lists for developing films and give the customer a receipt with a firm collection date and to carry out repairs within 21 days, keeping the customer informed of any unforeseen delay. In addition, the retailer must obtain the customer's permission for a repair to continue where the cost of repair is substantially more than the original estimate, and provide the customer with an itemised invoice.

Mr Borrie welcomed the introduction of the four-step system for dealing with complaints which, he believed, would guarantee customers efficient and sympathetic treatment.

He said that he was pleased to see that retailers were encouraged to give their staff more training, both in dealing with the public and in technical knowledge. Mr Borrie said that he believed that many people were bewildered by the array of equipment available and was sure that customers would be happier, and complaint levels reduced, if someone was always on hand to explain, for example, how a camera worked or why a batch of holiday snaps had turned out so badly.

Purchasers of second-hand photographic equipment are promised a better deal under the code. Retailers will carry out a detailed inspection of all second-hand equipment before sale and will guarantee second-hand items wherever possible.

The responsibilities of manufacturers complement those of the retailers. They must supply a reference manual and detailed instructions with each item; maintain stock of spare parts for at least five years – or 10 years in the case of expensive equipment – following the last sale to the trade; and provide guarantees covering all parts and labour costs, which are transferable and extendable and which state the name and address of the repair service.

In addition, professional photographers have promised to inform customers of prices and completion dates; advise clients if they are asked to undertake work in which they are not qualified or experienced; and ensure that parents do not object to school photographs being taken.

Mr Borrie said that although he believed the code offered consumers plenty of good news, he was concerned at the existence of one specific weakness. 'I am somewhat disappointed that the code is not more forthright about the payment of compensation by processors and retailers if a customer's films are lost or damaged. I recognise that under the code processors may tell consumers what is reasonable compensation.' Mr Borrie stressed that it was important that any customer who was unhappy with compensation offered or who was referred to a notice limiting liability for loss or damage should not be put off and should seek legal advice about whether to take the matter to court or arbitration. 'In practice, I expect that the advent of the code will herald the end of unreasonable disclaimers and when I review the working of the code, I shall pay particular attention to confirming that processors and retailers have been treating their customers fairly,' he said.

Group consumer credit licences for accountants

Group licences are being issued under the Consumer Credit Act 1974 to the four professional bodies of accountants, it was announced by Gordon Borrie, Director General of Fair Trading, on 10 April.

The licences will held by the Institute of Chartered Accountants in England and Wales, the Institute of Chartered Accountants of Scotland, the Institute of Chartered Accountants in Ireland, and the Association of Certified Accountants. The group licences will cover the businesses of category A, consumer credit category C, credit brokerage and category D, debt-adjusting and debt-counselling.

The scope of the group licence is limited to activities arising in the course of practice as a chartered or certified accountant and does not extend to other business activities in which some accountants engage.

The licences will take effect from 3 August, the beginning of the first renewal round of licensing under the act, and will be valid for three years. They have been issued after detailed discussions both with the consultative committee of accountancy bodies and with each of the four accountancy bodies concerned.

The decision to grant group licences means that those practising members of the four bodies who already hold (or need to obtain) licences under the Consumer Credit Act for these categories will not have to apply for renewal of their standard licences when they expire. In these cases, renewal documents relating to the standard licences should be ignored. However, if cover is required for categories additional to categories A, C and D (or to carry on an activity not arising in the course of practice as an accountant), a renewal application for a standard licence in varied terms will need to be made.

Borrie not referring copper-semis to Monopolies Commission

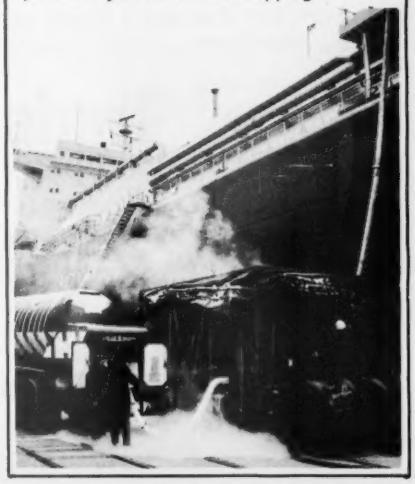
The supply of copper semi-manufactures is not to be referred to the Monopolies and Mergers Commission, Gordon Borrie, Director General of Fair Trading, has decided. Although the intention to make such a reference had never been formally announced, it had been made known to the industry.

Copper semi-manufactures are copper products at an intermediate stage of the manufacturing process, such as plates, bars, wires, stampings and pressings, out of which the final products are made.

Pricing arrangements for copper semis -- list prices with discounts and rebates – and a high degree of price parallelism appear to be very similar to those in certain sectors of the insulated wires and cables industry, says the Office of Fair Trading. The Monopolies and Mergers Commission's report on the supply in the UK of insulated electric wires and cables, just published, makes no adverse findings against these pricing practices in the cables industry.

Despite the representations he has received, Mr Borrie thinks he would not be justified in now asking the commission to look at copper semis. This would involve studying the same pricing matters carried on by, in a number of cases, the same producers as had already been the subject of the commission's investigation into cables and not found to be operating against the public interest. Mr Borrie adds that he will continue to keep such situations under review as part of his statutory duty to monitor 'all sectors of the economy in which competitive forces may be weak'.

Southampton's Ocean Terminal has been used for the port's first nitrogen purging of a liquid natural gas tanker. The purge, which used 145 tons of nitrogen, was carried out by BOC Ltd in the deep-water berth normally reserved for the QE2. Picture shows a BOC road tanker discharging liquid nitrogen into the mobile purging rig. The ship is the *Pollenger*, owned by LNG carriers of Copenhagen and operated by P. & O. Bulk Shipping.



Trade Indemnity

Points from Mr. K. M. Bevins's statement to shareholders

RESULTS

On 31st December 1978, the 1976 Underwriting Account, which was closed on that date, produced a record underwriting profit of £2,447,794. After adding investment income of £1,145, 298 and charging taxation of £1,858,000, the net profit for the year was £1,735,092.

The Directors recommend the payment of a final dividend of 5.91561p per share which, with the interim dividend of 3.46269p per share, is the maximum permitted.

GENERAL

Largely because of the slower rise in raw material and output prices, helped in turn by a relatively strong pound, the percentage increase in our premium income last year was no more than 6.6 per cent. Such economic growth as did take place in the U.K. in 1978 was, in the main, consumer-led. In the commodity and manufacturing sectors, which represent a substantial part of our business, there was little, if any, growth in real turnover. As a result, total transactions covered by the Company last year rose by only 4 per cent. Nevertheless, insured turnover at £9,162 million was an all-time record.

NEW BUSINESS

In the U.K., business from new policy-holders in 1978 showed an encouraging increase, with the estimated annual value of new business premiums rising from about £1,250,000 in the previous year to more than £1,418,000. In the past year, our Marketing and Underwriting Divisions have been reorganised and with the computer fulfilling an increasing role in the day-to-day processing of enquiries we are, I believe, now better equipped than ever before to meet the demand for our services that we expect to emerge in 1979.

Copies of the Report and Accounts for 1978 are available from The Secretary, Trade Indemnity House, 12-34 Great Eastern Street, London EC2A 3AX.

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Leicester · London · Manchester · Newcastle upon Tyne
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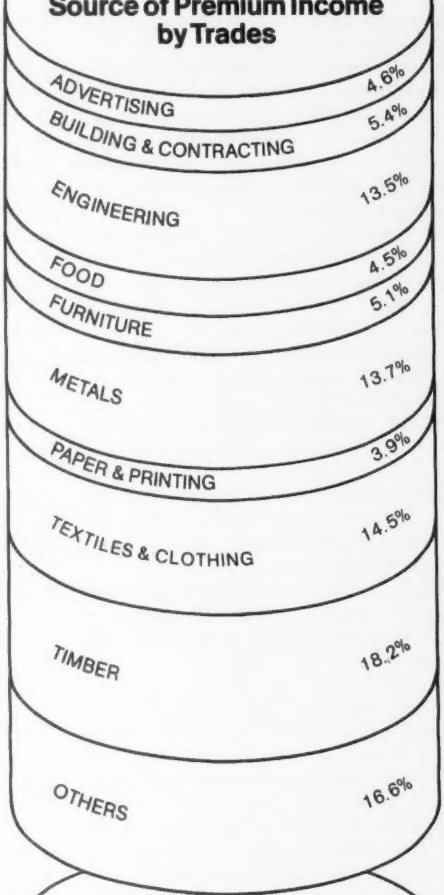
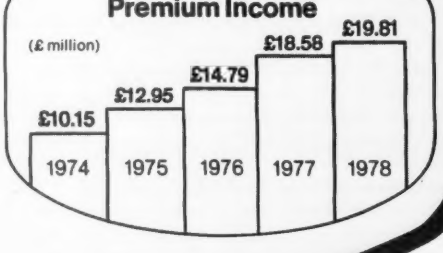
Highlights from the Accounts

	1978	*1977*
Premiums written	**£19.81m**	£18.58m
Profit after Tax	**£1.74m**	£1.35m
Shareholders' Funds	**£7.75m**	£6.61m

Source of Premium Income by Trades



Premium Income



Report calls for strong code of conduct for double glazing firms

Double glazing firms should adopt a strong code of practice to protect the customer, says the Price Commission in a report published on 10 April. It stresses that, as a matter of urgency, firms selling to householders should provide potential customers with three things: a comprehensive price list, a formal written price quotation for work and a government leaflet pointing out that prices vary widely in the industry and that customers should obtain more than one quotation for work.

If these measures are not implemented, says the report, the interests of the users should be protected by a restriction on prices and charges, although this would be a second best solution.

Price Commission sectoral examination report no. 14 on prices, costs and margins of metal doors and windows for domestic properties (HMSO, £2.00), covers the commission's examination into four distinct markets: double glazing firms selling aluminium windows and doors to householders; aluminium windows and doors for new houses; steel windows and doors for new houses; and domestic garage doors made of metal for new and existing domestic properties.

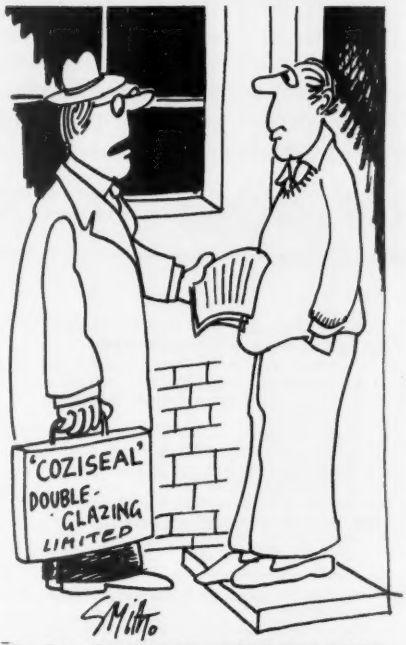
Roy Hattersley, Secretary of State for Prices and Consumer Protection, is considering the report and will be consulting interested parties on its findings.

On aluminium windows and doors for existing domestic properties, the commission is concerned about the failure of price competition which it considers could be achieved by a strong code of practice covering product quality, safety, selling methods, installation, guarantees and consumer information. The commission also says that the first call discount system, whereby customers pay up to 10 per cent less if they agree to buy on the first visit from a salesman, should be discontinued.

The commission has a series of criticisms of this sector. It says that highest prices are roughly twice the lowest prices, yet differences in prices are not consistently linked to differences in standards of quality; only one of the four largest companies gives potential customers a price list. None of the other large companies does so; price increases over the last three years have been greatest among the largest companies; average promised delivery time is as long as three months and only 72 per cent of deliveries take place within the promised period. In 1978 net profit margins of the four major companies, which together hold 41 per cent of the market, averaged 11 per cent – against 5 per cent for other large and medium-sized firms – and aggregate net profits before taxation rose from £4.3 million in 1976 to £11.5 million in 1978.

The return on capital employed of the major companies averaged 44 per cent on an historic cost accounting basis in 1978.

The commission feels the Office of Fair Trading might look into three further matters: the excessive discounts offered to encourage full payment with order, especially as delivery periods of four to five months are common; the unreasonableness of asking for extensive deposits long before delivery; and reservations about some claims made in advertising about the extent of fuel savings and reductions in condensation.



'The Price Commission would like me to inform you that you'll probably get the job done cheaper and better by our competitors.'

On aluminium windows and doors for new domestic properties, the report says that the four main companies selling to trade customers are each associated with an aluminium extruder and account for 70 per cent of this £11 million a year market. The commission found no evidence of price parallelism and concluded that the companies operated competitively and were reasonably efficient.

Two firms dominate the steel windows and doors market: Crittall, the price leader with half the market, and Ideal Williams with a third. There is considerable competition with other types of windows, but the commission says it will continue to monitor Crittall's prices carefully.

It added that the annual offtake rebates, given by the two major companies to regular large-volume customers, 'may prevent smaller and possibly more specialised manufacturers from competing on equal terms in the market for steel windows'. Unless the companies can establish that they are a substantial help to their production planning, they should be discontinued.

Two companies – Henderson and Westland – dominate the domestic metal garage doors market. The commission finds that 'given the nature of competition in this market, Henderson's profitability is high'. However, because of the increased level of capital expenditure planned over the next two to three years it decided not to recommend a price restriction. Nevertheless, the commission says that if it finds that customers are not benefiting from the lowest prices commensurate with satisfactory quality and service then it may wish to investigate the individual manufacturers. The commission makes the same recommendation on annual offtake rebates as it does for steel windows and doors.

Insurance brokers: professional indemnity rules

Provisions for indemnity insurance for registered brokers, together with the grants scheme to be operated by the Insurance Brokers Registration Council, are contained in an order to be published today (20 April). The Insurance Brokers Registration Council (Indemnity Insurance and Grants Scheme) Rules Approval Order 1979 (SI 1979/408) approves rules made by the council under section 12 of the Insurance Brokers (Registration) Act 1977.

The rules require registered brokers (practising insurance brokers and enrolled bodies corporate) to take out professional indemnity insurance and also provide for the making of grants to persons who have suffered loss as a result of the negligence or fraud or other dishonesty of insurance broking firms or their employees.

The rules (which will affect only practising insurance brokers and enrolled bodies corporate registered with the council) come into operation on 1 July, although grants under the grants scheme will not be payable until a later date.

Small firms' workshop in Dundee

Dundee and Tayside councils are holding a small firms' workshop on 25 April to which every small manufacturing firm in Dundee is invited. Object of the workshop, which will bring together 14 organisations dealing with small firms, is to give companies up-to-date information on the various forms of assistance available to them, such as regional development grants, assistance with product development, management, marketing and exporting advice, assistance with employee and management training and local government services and facilities.

The small firms' workshop is to be held at Invercarse Hotel, Dundee. Further details can be obtained from David Dye, City of Dundee District Council, City Chambers, Dundee DD1 3BY, tel. 0382 23141 ext. 428.

Seaspeed's London-Paris increase

British Rail's Seaspeed London to Paris capital city services rose by nearly 27 per cent over the past 12 months. This represents over 50 000 more passengers carried to Paris compared with the previous 12 month period.

British Rail Hovercraft says the reasons for the big increase can be directly attributed to a flexible fares package introduced in May last year and the introduction of the first of two Super 4 craft which increased carrying capacity from 254 to 416 seats.

Health and Safety Executive Publications

The 1974 Health and Safety at Work Act gave the Health and Safety Commission responsibility for keeping some 25 million people informed of guidelines and regulations for their health and safety in places of work. The Commission has undertaken progressively to revise, standardise and extend the existing regulations and recommended practices. HSC/HSE publications reflect the major programme of research, inspection and consultation which is in hand.

Priced publications are obtainable only from HMSO or through booksellers. Some general leaflets, advice and information are available free of charge from HSE Area Officers or by post from HSE General Enquiry Point, Baynards House, 1 Chepstow Place, London W2 4TF (Tel. 01-229 3456 ext. 734).

Annual Reports

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Some aspects of the safety of nuclear installations in Great Britain (Replies to questions submitted by the Secretary of State for Energy to the Nuclear Installations Inspectorate in October 1976) (£1) ISBN 011 8830015
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4 Safety in the use of Abrasive Wheels (0 11 880866 4) (65p)
5 Cloakroom Accommodation and Washing Facilities (0 11 880850 8) 45p)
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6B Safety in Construction Work: Roofing 1974 (0 11 880870 2) (16p)
6C Safety in Construction Work: Excavations (0 11 360101 8) *(Reprinting)*
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12 Safety at Drop-Forging Hammers (0 11 880855 9) (18p)
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20 Drilling Machines: Guarding of Spindles and Attachments 1974 (0 11 880865 6) (35p)
22 Dust Explosions in Factories (0 11 880851 6) (30p)
23 Hours of Employment of Women and Young Persons (0 11 880876 1) (25p)
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25 Noise and the Worker (0 11 880845 1) (22p)
27 Precautions in the use of Nitrate Salt Baths (0 11 880880 X) (25p)
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30 Storage of Liquified Petroleum Gas in Factories (0 11 880882 6) (45p)
31 Safety in Electrical Testing (0 11 880843 5) (38p)
32 Repair of Drums and Small Tanks (0 11 880852 4) (25p)
33 Safety in the use of Guillotines and Shears (0 11 880861 3) (30p)
34 Guide to the use of Flame Arresters and Explosion Reliefs *(Reprinting)*
35 Basic Rules for Safety and Health at Work (0 11 880857 5) (20p)
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49B Safety in the Cotton and Allied Fibres Industry. Card-room Processes (0 11 360854 3) (40p)
49C Safety in the Cotton and Allied Fibres Industry. Spinning, winding and sizing (0 11 360858 6) (45p)
49D Safety in the Cotton and Allied Fibres Industry, Fabric Production (011 883078 3) (60p)
50 Welding and Flame Cutting using Compressed Gases (011 883080 5) (25p)

*** Health and Safety Commission leaflets**

HSC 2 The Act outlined
HSC 3 Advice to employers
HSC 4 Advice to the self-employed
HSC 5 Advice to employees
HSC 6 Employers Policy Statements
HSC 7 Regulations, codes of practice guidance literature
HSC 8 Safety Committees guidance to employers whose employees are not members of recognised independent trade unions
HSC 9 Time off for the training of safety representatives (Code of Practice)

*** Agricultural Safety leaflets**

AS1 A short guide to the 1974 Act
AS2 Tractors safety cabs
AS3 Bulls
AS4 Mushroom worker's lung
AS5 Farmer's lung
AS6 Crop spraying
AS7 Guns
AS8 Noise
AS10 Children
AS14 Cyanide gassing powders – Safe handling
AS16 Brakes for tractor-trailer safety
AS21 First aid in agriculture

*** EMAS leaflets**

MS(A)1 Lead and you
MS(A)3 Asbestos and you
MS(A)4 Study of asbestos workers
MS(A)5 The health of workers engaged in antimony oxide
MS(A)6 Vinyl chloride and you
MS(B)1 Ulceration of the skin and inside the nose caused by chrome
MS(B)3 Anthrax
MS(B)4 Effects on the skin of pitch and tar
MS(B)5 Skin cancer caused by oil
MS(B)6 Occupational industrial dermatitis
MS(B)7 Poisoning by pesticides

Guidance Notes

Guidance Notes (price 30p each) are too numerous to list here but are published under five headings: Medical; Environmental Hygiene; Chemical Safety; Plant and Machinery; General.
Enquiries to HMSO

* *Free of charge*

Degree day service: figures for March

Degree day figures for March, published by the Department of Energy, are shown in the table. This service is designed to help industry and commerce improve the efficiency with which space heating systems are used.

The figures are a record of the extent and length of time in a particular month that the external temperature fell below a base figure of 15.5 degrees C (60 degrees F). Because this affects the amount of fuel needed to provide a given level of space heating the figures can be used to check on the efficiency of heating systems. By comparing the amount of fuel used with the number of degree days in monthly periods of different years, energy managers and others can monitor the performance of heating plant and operate it more economically.

Detailed information about the system is contained in a free booklet *Degree Days* (no. 7 in the Fuel Efficiency series) available from the Library, Department of Energy, Thames House South, Millbank, London SW1P 4QJ, tel. 01-211 3394. It explains the theory and practice of using the figures and contains a map showing the locations of the 17 Meteorological Office stations and the regions covered.

March degree days (base temperature 15.5 degrees C)

Region	Calculated average for Mar 1957-77	1978 Mar	1979 Mar
Thames Valley	281	252	303
South East	306	284	329
Southern	293	270	315
South West	267	251	289
Severn Valley	290	261	316
Midland	317	278	334
West Pennies	304	275	335
North West	316	289	348
Borders	328	293	356
North East	314	276	345
East Pennines	302	271	338
East Anglia	316	277	332
West Scotland	315	297	369
East Scotland	324	299	368
North East Scotland	340	313	379
Wales	293	279	333
Northern Ireland	311	299	373

DoI advance factories

New work is beginning on a number of advance factories in Yorkshire and Humberside and the north of England. They are being built by the English Industrial Estates Corporation for the Department of Industry. Details are as follows.

Rotherham, Scarborough and Whitby
A factory of 450 m² at Hellaby industrial estate, Rotherham. The factory should be ready for occupation in August.

A factory of 450 m² at Cayton Road, Scarborough, which should be ready for occupation in September.

A factory of 750 m² at Stainsacre industrial estate, Whitby. The premises should be ready for occupation in October.

Inquiries regarding purchase or lease: Regional Director. Department of Industry, Yorkshire and Humberside Region, Priestley House, Park Row, Leeds, tel. 0532 443171.

Gateshead and Wooler
A terrace unit type factory at Team Valley, Gateshead, divisible into four individual units of 160 m² each. The premises should be ready for occupation in September.

A factory at Auction Mart, Wooler, Northumberland, of the terrace unit type and divisible into two individual units of 225 m² each. It should be ready for occupation in July.

Inquiries regarding purchase or lease: Regional Director, Department of Industry, Northern Region, Stanegate House, Groat Market, Newcastle upon Tyne NE1 IYN, tel. 0632 24722.

Fluorescent light fittings recalled

A number of fluorescent light fittings marketed under the trade name Quickstrip and bearing the British Standards Institution kitemark could become dangerous under certain circumstances, warns the institution. The unit is a 2 ft double-tube fitting manufactured by Light Ideas, model numbers QS2D and QS2DD, designed for inserting into a bayonet-cap lamp-holder.

There is no record of any accident with these fittings, says the BSI, but on discovery of a design fault which could give rise to the exposure of a live part, the manufacturer has recalled stocks from retailers. Following consultation with the Department of Prices and Consumer Protection, BSI has launched a campaign telling those who have purchased these units to discontinue their use and return them to the retailer for refund, or if in doubt to telephone the manufacturer at Winscombe 2801.

Single tube and circular models are not affected, nor are models sold before April 1978.

Merger proposals cleared

Secretary of State for Prices and Consumer Protection Roy Hattersley has decided, on the information at present before him, not to refer the following proposed mergers or aquisitions to the Monopolies and Mergers Commission under the provisions of the Fair Trading Act 1973:

RTZ Chemicals Ltd/United Sterling Corporation Ltd

National Enterprise Board/parts of Vickers Offshore Engineering Group

Comet Radiovision Services Ltd/Caledonian Holdings Ltd; London and Midland Industrials Ltd/Caledonian Holdings Ltd

Harris Queensway Group Ltd/Timberland Ltd.

The British Aluminium Company Ltd/ High Duty Alloy Extrusions Ltd.

Associated Communications Corporation Ltd/Intereuropean Property Holdings Ltd

British Steel Corporation/Dunlop and Ranken Ltd

Rockwell International Corporation/Wilmot Breedon (Holdings) Ltd.

New scheduled services at Gatwick

Scheduled services to 15 new destinations from Gatwick airport have been announced so far this year, and the British Airports Authority says there is hope of more in the pipeline. The new routes are to Spain, Portugal, Gibraltar, France, Italy, Greece and Denmark, many with daily flights.

Serving Spain and Portugal are British Airways with scheduled flights to Alicante, Faro, Malaga and Palma using Boeing 737 aircraft. Gibair and British Airways are now serving Gibraltar with flights on alternate days, giving a daily service except for Mondays.

Following the air services agreement, SAS has started a daily service from Gatwick to Aarhus in Denmark, the first time that London has had a connection to the Danish mainland. On 1 June both SAS and British Airways start scheduled daily services to Copenhagen, giving Gatwick two services a day in each direction.

On 1 July British Airways sill start a scheduled daily services to Copenhagen, giving Gatwick two services a day in each direction.

On 1 July British Airways will start a on 1 November they will start operating their rationalised their joint Gatwick-Dublin route to give a return flight both morning and evening.

New daily scheduled services to Le Havre, Caen, Rennes, Morlaix and Quimper from Gatwick will be flown by Britair, a French third-level airline using Bandierante aircraft. Dan-Air services will start a service to Dijon on 1 May using its HS 748 aircraft.

Insurance advisers appointed

John Smith, Secretary of State for Trade, has appointed Mr P. A. Taylor, general manager, Royal London Insurance Society and Mrs Muriel Turner, assistant general secretary, Association of Scientific, Technical and Managerial Staffs, to his panel of insurance advisers. Six members have been re-appointed: Mr I. R. Binney, chairman and chief executive, C. T. Bowring (Insurance) Holdings, Mr R. J. Kiln, Lloyd's, Mr E. J. Turner, director and manager, Guildhall Insurance Company (Sun Alliance and London Insurance), Mr M. A. Weinberg, managing director, Hambro Life Assurance, Mr G. L. Williams, general manager (home), Guardian Royal Exchange Assurance, and Mr J. Williamson, general manager for the UK, Royal Insurance Company.

The appointments of Mr Binney, Mr Kiln and Mr Williams are for two years and those of the other members for three years.

The panel of insurance advisers was set up in March 1976 to advise the Secretary of State for Trade on the exercise of his powers under the Insurance Companies Act 1974. The panel consists of 17 members drawn from all sections of the insurance industry and from its customers.

Altham — A Prime Industrial Site

A 195 acre, green field industrial estate in North East Lancashire, set in attractive countyside.

The M65, on which work is to commence this year, will be adjacent to the estate with direct access proposed.

Over ¼ million people within 6 miles of the site.

Approximately 30 acres already developed. Phase I of the Borough's 40 acre site now being serviced.

Suitable for medium and large units.

Plots available NOW.

Contact: Graham Bolton,
Department of Planning
and Estate Management,
Union Street,
ACCRINGTON,
Lancashire, BB5 1PW.
Telephone (0254) 381511

Hyndburn Borough Council

WEMBLEY AUCTION SALES 1979

1 May

View Days:	Day preceding and morning of sale
Location:	Department of the Environment Property Services Agency Supplies Stores India Pavilion Exhibition Grounds Wembley, Middx. Tel. 01-903 2508
Description of Goods:	Miscellaneous office equipment and furniture etc. (Potential buyers are advised to refer to the official catalogue available from the auctioneers, price 20p)
Auctioneers:	Messrs Hollingsworth Westcombe House 56/58 Whitcomb Street Leicester Square London WC2H 7DR Tel. 01-893 1875

Trade and Industry quarterly guide
centre pages

Technology news

Madley 1 earth station in service

Inauguration of the Post Office's new satellite communication ground station at Madley, Herefordshire, on 11 April, marked the coming into service of the second Marconi earth terminal for the Post Office in six months. Marconi Communications Systems Ltd was the prime contractor for the new £6 million terminal, designated Madley 1.

Initially, Madley 1 will be used with the Indian Ocean Intelsat IVA satellite to provide a large capacity for telephone, telex and television traffic. The station has facilities for further expansion and it is foreseen that it will be used with the next generation of international telecommunication satellites, Intelsat V, the system channel capacity would be doubled.

In terms of quantity of equipment, Madley 1, with its 32-m antenna, is one of the largest satellite earth stations operating in the Intelsat system. In all, 55 chains of receiving equipment, 14 chains of transmitting equipment and 10 high-power amplifiers give the station the capability to communicate with about 40 countries simultaneously and Marconi is already manufacturing equipment to extend this capacity.

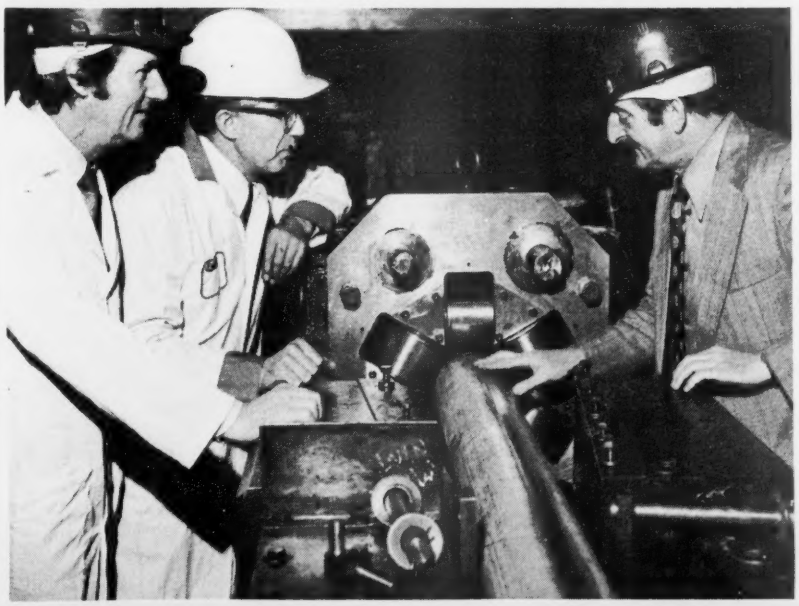
The complete station is built up in modular fashion from a number of individual subsystems. The largest of these is the fully steerable 32-m parabolic antenna which is mounted on a building which houses the steering and control equipment. Also in this building are the high-power transmitter amplifiers with low-loss combiners and intermediate and super-high frequency transmit drives, with their associated control logic, primary antanna feed and low-noise, cryogenically-cooled broadband receivers.

In the Post Office central equipment building is installed the Marconi ground communication equipment. This consists of super-high frequency branching, super-high and intermediate frequency downconverters, demodulators, modulators and base-bands equipment. Also in the building is the cross-site make-up amplifier operating at the super-high receiver frequency, fixed station test facilities and all associated control and monitoring equipment.

As prime contractor, Marconi Communication Systems has co-ordinated the efforts of an international team of sub-contractors including Mitsubishi Electric Corporation, Japan, for the antenna sub-system and Comtech of the United States for the low-noise amplifiers.

Roller die produces hexagonal nuclear fuel tubes

Fred Morrow of the UK Atomic Energy Authority, Roy McGavin of Exors of James Mills Ltd (EJM) and Mr H. F. Mather of British Nuclear Fuels check out a new type of roller die, designed by EJM to produce Nimonic alloy sections to meet the stringent specifications of the authority. The sections, formed into nuclear fuel element wrapper tubes for use in the latest type of fast breeder, are round cornered hexagons. They measure just over 5½ in across the flats and range in length from 9 ft to 13 ft. Each reactor core houses about 300 tubes, each containing mixed oxide fuel rods fitted together in the form of a honeycomb.



Swiss buy Prestel software

Agreement has been achieved for Prestel – the Post Office's telephone-tv-linked viewdata service – to be sold to Switzerland.

Already, the Post Office has sold its viewdata expertise to West Germany and the Netherlands, and is in the final stages of concluding a contract with the Hong Kong Telephone Company following a letter of intent obtained last August. The Post Office has also concluded a deal with Insac Data Systems – the company set up by the National Enterprise Board to market British computing systems and equipment abroad – under which Insac will set up a viewdata service in the United States during the coming 12 months.

The contract with Switzerland is for the sale of software – the programs, or instructions, which control the operation of the computer on which the information is stored. Like those with Germany and Holland, the Swiss deal is for the 'pilot trial' software, designed primarily for demonstration and information development. Because Switzerland is multilingual, all the index pages will be translated into French and German.

BAe completes European satellite payload study

A £120,000 study of the payload for a proposed earth resources survey satellite system for the European Space Agency (ESA) has been completed by British Aerospace Dynamics Group at Bristol, leading a team of European specialists.

The system which it is intended will start operating in the mid 1980s will provide new types of global data from land and sea surfaces, leading to better use of the earth's resources. Each satellite in the system will carry complementary payloads. Two such payloads have been the subject of parallel feasibility studies carried out by two industrial groups working for ESA. The group led by the Electronic and Space Systems (ESS) organisation at Bristol studied a coastal/oceans monitoring satellite system.

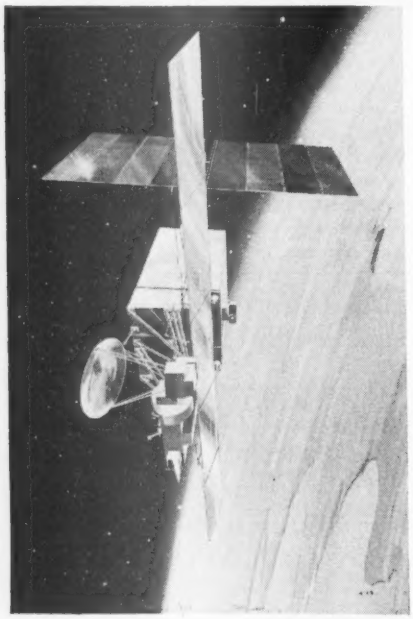
The payload will consist of a number of remote sensors to provide a range of data on such subjects as: coastal sedimentation and pollution; conservation and use of fish stocks; ship routing, making use of ocean currents; data on wave forces for use in the design of

offshore structures and wave power generating systems; and mapping of polar ice caps, ocean temperatures and winds for improved climate and weather forecasting.

The sensors presently under consideration are a multispectral ocean coloured monitor/infra-red mapper, a synthetic aperture radar, and an imaging microwave radiometer. The last two sensors operate in the microwave region of the spectrum and so are capable of providing imaging data through cloud cover, an essential characteristic of a system which is to provide land and sea surface data on a regular basis.

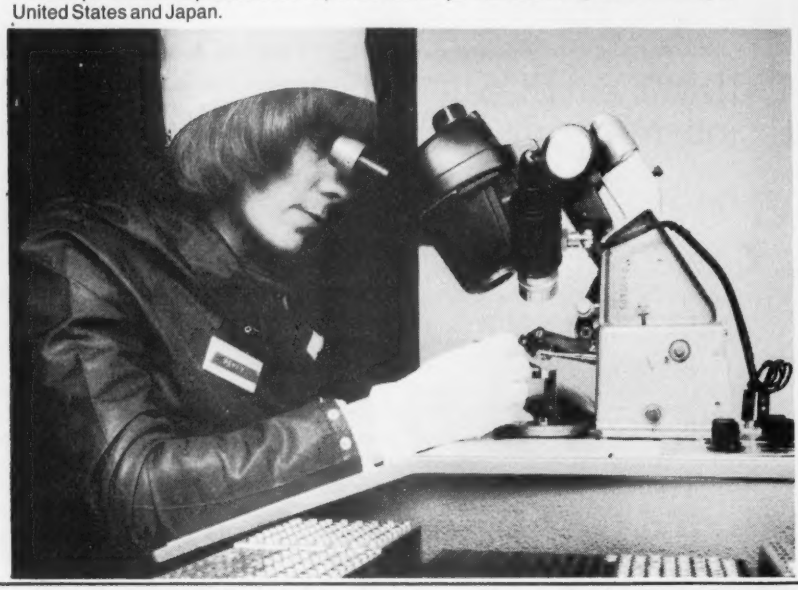
The ESS team includes specialists from Matra, France, who have had responsibility for defining the ocean colour monitor, the Technical University of Denmark who have been concerned with the imaging microwave radiometer, and Logica in the United Kingdom who supported ESS in the specialist fields of image quality analysis and ground data processing. The team has optimised the complete payload, defining the basic characteristics and performance of the sensors, and the requirements of the payload on the satellite service module, which together comprise the system. The need of communications, ground processing and data distribution also formed important parts of the study.

In this impression, the size of the European earth resources satellite is indicated by the 10-m long synthetic-aperture radar antenna facing the earth.



Latest silicon technology at new Centronic plant

Ultrasonically binding on extremely fine aluminium wire lead to the active area of a silicon chip at Centronic Ltd's new production facility at New Addington, Surrey. Opto-electronic components incorporating silicon photo-sensors, fibre optic components and systems, photomultiplier and cathode ray tubes form the fastest growing area of Centronic's activities. Over 60 per cent of its products are exported with major markets being western Europe, United States and Japan.



Mass spectrometer extends Harwell's analytical services for industry

A computerised VG Micromass Ltd ZAB-1F mass spectrometer with ultra-high resolution and sensitivity, due to go into operation next month, will extend the analytical services of the Harwell laboratory of the UK Atomic Energy Authority. The £136,000 facility will be housed in the physico-chemical measurements unit alongside the wide range of nuclear magnetic resonance, infra-red and other equipment already available for studying the structures of pure materials and the compositions of complex mixtures.

The new machine is suited for environmental work. Much of its time will be spent doing work for university groups. However, the unit is keen to expand its already substantial contract research services to industry, in particular into the field of hazardous organic materials. The ZAB-1F mass spectrometer should enable the unit's customers to extend their own research facilities and to call more readily upon Harwell to assist them in times of breakdown.

Typical problems the unit has previously been able to solve in the analytical area covered by the new machine include identification of factory emissions into the atmosphere through the analysis of trapped or condensed samples; quantification of specific toxic materials, such as nitrosamines, polychlorinated biphenils or bis-chloromethyl ether using high-resolution gas-chromatography or mass spectrometry; identification of manufacturing routes by the detection of traces of intermediate reaction products; and elucidation of the structures of new drugs and drug impurities, flavours and metabolites.

Further information is available from Terence Carter, PCMU, Building 551, Harwell, Oxfordshire OX11 0RA, tel. Abingdon 24141, ext. 4151.

Installation of Harwell's new computerised mass spectrometer.

New products

Freepost reader service

For further information on items in this section, circle the corresponding number on the reader services page near the end of the magazine.

Intelligent tape transport system for the needs of the 1980s

With the introduction of its EMI 8800 'Superdrive', SE Labs (EMI) Ltd is offering the computer peripheral market-place an industry-compatible digital magnetic tape transport that is claimed to be in advance of any other equivalent equipment at present available. It is designed to meet the technical and operational needs of digital tape transport users over the next decade and offers many design innovations. Three of these are a microprocessor-controlled drive mechanism; interactive microdiagnostics with error code display; and an integral formatter that offers dual, PE or NRZ options at seven or nine-track densities.

The EMI Superdrive is microprocessor-controlled, which means that its tape-handling operations are greatly simplified and the machine is truly intelligent. Specifically, it carries out automatically several functions that are usually undertaken manually such as finding beginning of tape with automatic re-wind if the tape has been loaded by hand beyond the beginning, and automatic slow down at the end of a full tape re-wind to ensure gentle tape handling on unloading. This new intelligent tape drive also provides a fast file search capability, with a re-wind speed of 2450 inches per second and includes 'power on' diagnostics for automatically checking out plug connections and correct power supply operation when switching on.

The interactive microdiagnostics module incorporated within the Superdrive is accessible from the front of the machine for ease of operation. It can be removed as a self-contained plug-in unit if desired, and since it fits easily into the pocket, it can be carried by an installation or service engineer for use with any other EMI 8800. This microdiagnostics facility provides a large number of self-test routines which allow the user to check out the drive completely; in the event of a malfunction, a specific error code is displayed which enables rapid identification and correction.

The integral industry-standard formatter offers dual, PE or NRZ capability at seven or nine-track densities. It thus completely satisfies the needs of existing as well as future digital magnetic tape transport users. EMI has also extensively used custom large scale integration circuit techniques in the design of the formatter, reducing its size considerably; this has enabled it to be incorporated into the machine itself, and thus avoid taking up additional rack space. Interfaces to a range of popular minicomputers are also available.

Further information: circle 392

Tape handling operations are greatly simplified.

Computer output plotted at high speed on microfilm

The model EP 340 computer plotter introduced by Ferranti Cetec Graphics Ltd is designed for recording large volumes of graphic of alphanumeric computer output data at high speed. Data can be recorded on 35 mm or 16 mm, perforated or unperforated roll film, or 105 mm microfiche. At the end of each page or plot the frame is advanced automatically. The EP 340 can be operated either on-line or off-line.

When handling computer alphanumeric output, it records data at the rate of, at least, 75 pages per minute – at 120 or 132 characters per line and 64 lines per page. This is about five times the speed of a conventional computer output line printer. A choice of upper and lower case texts in two fount sizes is available. Graphic data recording facilities include automatic line, arc and circle interpolation. Four types of line can be recorded (continuous, dotted, dashed, or chain-dotted), each at any one of 10 density levels.

An optional feature that can be incorporated in the EP 340 microfilm plotter is a storage-tube display which will enable the accuracy of graphic data being plotted to be verified without the need to wait for the whole film to be developed.

Operating in conjunction with computer data banks and other computerised records, typical applications of the EP 340 in engineering, business and architecture include the prompt production of up-to-date engineering drawings that include the latest design modifications, graphical representations of management information for decision making, and detailed plans of buildings created from the association of basic modular units.

Further information: circle 393

Monitor detects excessive centrifuge vibration

Servodyne Controls Ltd has introduced a continuous and automatic monitoring system to provide early warning of excessive vibration in centrifuges. Known as the out-of-balance monitor mark III it is stated to reduce machine downtime and increase production, cut risk to plant and operators, and reduce maintenance costs. This monitor, together with a transducer mounted on to the centrifuge itself, continuously monitors the vibration levels and compares them with pre-set levels. When these are exceeded, signals are initiated to give either audible/visual alarms or to trip the running centrifuge.

Out-of-balance conditions in centrifuges are generally due to an uneven build-up of product and, at certain times, high levels of vibration amplitude must be tolerated. While centrifugal design allows for these vibration levels, genuine excess levels must be detected before progressive failur occurs, a process made more difficult by the need to sense the excess against a background of normal vibration.

Vibration at different speeds and points in the operating cycle can be handled by Servodyne's monitor. Two warning levels are thus available, with a built-in delay ensuring that momentary but harmless judders do not cause an alarm. Relays in the circuit raise an alarm or institute automatic remedial action which is varied according to machine type. For example, a sudden shut-down for feeding or emptying can be as dangerous as excessive vibration and may therefore be interrupted to permit balance to be restored.

The monitor is supplied in a weatherproof case. Intrinsically safe transducers are available for use in hazardous areas, with cables being fed through appropriate safety barriers incorporated in the monitor panel.

Further information: circle 394

Process control system incorporates latest micro-electronics technology

Kent Instruments Ltd has launched its P4000 system, a new electronic integrated process control system designed to meet the changing environment of the 1980s. P4000 is a broad-based control system incorporating the latest technologies, including microprocessors and large scale integrated circuits. The wide range of equipment available utilises common modules and gives freedom of choice of control strategy to enable systems to be tailored to users' particular needs and preferences.

Although suitable for industrial processes on almost any scale, P4000's major use will be in larger plants such as oil refineries, petrochemical and chemical plants, metallurgical

processes and public utilities, such as power, water and sewage.

The system can economically handle a small number of control loops, which if necessary can be ultimately extended to accommodate a major comprehensive control system involving computer control and management information systems. In general terms, the concept is essentially one of choice of system configuration to meet specific application needs. The use of common modules throughout the system offers advantages in costs and operational simplicity. Major emphasis is placed upon the centralised display system which can be used with both discrete panel board instrumentation or rack-mounted split architecture systems. P4000 also extends into a range of digital interface equipment for the well-proven K70 and K90 process computer system.

In the design of P4000, considerable attention has been applied to control loop integrity, flexibility of control strategy, systems reliability, engineering costs and documentation. New technologies of the electronics industry have been employed within the design and also included within the manufacturing process. Many functions previously performed by analog or discrete circuits are now replaced by microprocessor and large-scale integrated circuits. Mechanical indicators and displays are replaced by new display techniques requiring no maintenance.

P4000 conventional instrument displays may also be used in conjuction with the centralised display system. This self-contained unit allows instrument data to be concentrated on a semi-graphic CRT colour display unit interactively controlled by means of a simple operators keyboard. The centralised display system represents development in plant/operator communications, being both simple to use and powerful in operation.

Further information: circle 395

Fast and automatic measurement of electrical component valves

Wayne Kerr Ltd's B605 automatic component bridge is a new fully automatic electronic component measuring instrument based on a microprocessor. It features autorange and autotrim with an accuracy of 0.1 per cent over a wide dynamic range. The instrument is compact with simple front-panel push-button controls and combines fast measurements with reliable performance and easy operational characteristics.

Component bridge and JU4 adaptor provides easy measurement to a high accuracy.

The B605 has a five-digit liquid crystal display with measured units identified and can measure inductance, capacitance, resistance, Q-factor and its reciprocal. It covers all values likely to be encountered in electronic and electrical engineering. The capacitance range for example, extends to 160 millifarads.

To use the bridge the component for measurement is simply connected across the terminals or to a quick-attachment device for production work, the parameter button pressed and the frequency (three buttons, 0.1, 1.0 or 10 kHz) chosen. Readings appear within 300 milliseconds.

The autorange button will make the B605 select the correct impedance range for the component being measured. This will then be held for subsequent measurements until the button is released. Autotrim is carried out under MPU control and is fully automatic. Once the control has been pressed, the machine takes four readings on each of the three operating frequencies, stores the results – and then averages them. This ensures that residual trim errors do not affect the final results.

The B605 terminals are suitable for two-, three- or four-terminal measurements, but a small matching component adaptor, the JU4 (left foreground in the picture) provides for single-handed loading and removal of components with axial, radial or preformed leads. Two inline slots on the top of the JU4, give positive connection for parallel wires and spring-loaded jaws on the front of the unit, opened by depressing the platform, provide firm connection for axial wired components.

Further information: circle 396

Heat reclaimed from cold stores and cabinets

A system to reclaim heat from the refrigeration compressors of the frozen-food cabinets in stores and supermarkets and use it to heat water has been developed by a retail firm. Equally suitable for most processing industries that utilise reciprocating refrigeration equipment, the system offered by Hall and Kay Engineering Ltd as a complete package of parts and the know-how necessary for its installation.

Operation of the system is based on the principle of reclaiming hot-gas superheat from the refrigeration compressors. This heat normally is vented to atmosphere through roof-mounted condensers and is wasted. In the system, however, heat exchangers transfer the heat to a hot-water storage tank sited between compressor and condensers. As only superheat is removed, normal working of the condensers is virtually unaffected.

The installation, say the developers, can pay for itself in 1 to 3 years by cutting water-heating bills. A pilot scheme, installed at their store in Winchester, is reported to have cut annual fuel costs by 75 per cent. In this project, water from the mains at 15.5° C was pumped through each of five interconnected heat exchangers at a rate of approximately 2¼ litres/min to raise the water temperature to nearly 50° C, giving a heat regain of approximately 5¼ kW for each of the refrigeration compressors.

Water consumption at the store ran at an average of 245 litres/h, which was well within the normal capacity of the heat exchangers. However, as most hot water was used during certain peak periods – for example, when the canteen dishwashers were running – the heated water was fed into a 4550 litre storage tank, where electrical heaters maintained its temperature at 60° C. Supplementary heating was also required to counteract the 35 per cent heat losses through the system, even though pipes and tanks had been lagged, and to help start the equipment on Monday mornings.

Further information: circle 397

Portable extractor removes oil-mist hazard

A portable extractor for removing the potential hazard of oil mist created by the cutting oils on lathes and other machinery has been developed by Marland Designs Ltd. The equipment, which operates from the normal compressed-air supply in a factory, draws mist away, passing it through two filters, and exhausts warm air to the surrounding area.

A suction head is placed near the source of the oil mist which is drawn into a glass-reinforced plastics box which houses a 5-mm extractor, designed on the venturi principle. The box withstands the chemical action of the oil and its impurities and is mounted on castors to facilitate moving it from machine to machine.

Freed from any oil-mist hazard.

The oil mist first passes to a glassfibre pad to remove any heavy material and to hold the initial mist. The main filter retains any of the oil mist passing through the pre-filter and also permits the warm exhaust air to pass through. When the machine is shut down at the end of a working day, trapped oil falls into a collecting tray in the box. This recovered oil can be drawn off periodically and re-cycled for further use.

The pre-filter normally needs to be taken out every two days for removal of surplus oil. The main filter, say the firm, should be checked every five days, and should last for several weeks before becoming saturated, provided the pre-filter is cleaned regularly.

Further information: circle 398

New publications

Viewdata is here to stay

When the first book appears on a new area of technology, it may be argued that the subject has taken a major step towards establishing itself as part of our lifestyle. If this is so, viewdata must be said to have arrived. In fact Prestel – the Post Office viewdata system – has recently extended its market trial to include a London residential service, as a prelude to the full public service later this year. So the publication of just such a book 'Viewdata: a public information utility', by Dr Adrian Stokes must be regarded as a timely event.

Viewdata is a computer-based information system accessed through the normal telephone system and modified television. In his review, Dr Stokes traces the development of the system, and assesses its potential to both the public and the business community. The system is compared to the existing teletext systems of the BBC and IBA (Ceefax and Oracle) and similar systems that are being developed overseas are also examined.

The author sees the business potential of viewdata not merely as a cheap and efficient means of obtaining information, but also as a form of internal communication and as a means of advertising goods and services to the public.

This step-by-step explanation of these new services, supplemented by a handy glossary that assists the reader through the jargon which surrounds them, should provide a concise and useful introduction for those who intend to exploit this new media, either as a source of information or as a means of dissemination. Three pages of coloured illustrations give some idea of the impact of the system on the user via a colour television set.

Post Office viewdata system.

Viewdata: a public information utility, by Adrian Stokes. Input Two-Nine Ltd, 7 Banstead Road, Purley CR2 3ER. 1978. 95 pages; paperback £9.95 (ISBN 0 905897 21 8).

Publications and opinions expressed on this page do not necessarily reflect the views of the government. Inquiries and submissions for review should be sent to *Trade and Industry*, New Publications Page, Room LG 17A, 1 Victoria Street, London SW1H 0ET, tel. 01-215 4136.

Japan trade index

A new edition of the 'Standard trade index of Japan' has been published at a time when the need for a general up-to-date English-language directory has never been greater – particularly as the other such major directory has not appeared for over five years now.

Compiled and published by the Japan Chamber of Commerce and Industry in Tokyo, the directory provides comprehensive data on both products and companies. There are separate listings identifying the manufacturers of specific types of products and providing information on individual companies – such as their assets, activities, products, and how they may be contracted.

The book includes a significant section of English-language advertisements, and these are also of considerable interest in assessing the variety of the market.

The detailed product listing should prove particularly valuable, although occasionally the English terminology used may not be quite appropriate.

The directory covers over 27 000 products and 8000 companies, and forms a useful starting point for exporters or market researchers wishing to investigate potential buyers or competitors in Japan.

Standard trade index of Japan 1978-79. Compiled and published by the Japan Chamber of Commerce and Industry; orders to be sent to Newman-Howells Associates Ltd, Wolvesey Place, Winchester, Hants SO23 9NB. 1979. Various pagings. £58.00 (including sea mail postage from Japan); £74.00 (including air mail postage).

Trade union handbook

A comprehensive reference work on British trade union structure and personnel is provided in the 'Trade union handbook'. It is not simply a list of trade unions and their senior officials, but provides an introductory background to the movement. Covering the beginnings of trade unions during the industrial revolution, the author (a senior research fellow in industrial relations, at St Edmund Hall, Oxford) takes the reader up to the present-day Trade Union and Labour Relations Act and the Employment Protection Act.

The main section of the book consists of a directory of British trade unions. An interesting feature is the amount of factual detail provided including names and addresses of national officers and area officers, membership figures, branch structure, and the policy of the union where applicable. A list of registered unions at 31 December 1977, a bibliography of official trade union histories and a list of addresses of government and other industrial relations institutions provide useful back-up appendices to a work which should be on the bookshelves of all those working in the field of industrial relations.

There is also a section on international trade union organisations, confederations, federations and trades councils.

Trade union handbook: a guide and directory to the structure, membership, policy and personnel of British trade unions, by Arthur Marsh. Gower Press, 1979. x, 369 pages. £15.00 (ISBN 0 566 02091 2).

Ideas for smart streets

Town planners, architects, designers and all others with an interest in the urban environment will find a wealth of ideas in a guide on how to improve the street environment issued by the Design Council. Attractively produced and well illustrated, it looks at recent methods for tackling urban renewal, examining developments in Europe and north America. The guide examines the design of individual components of the street scene – lighting, advertising, information signs, seating and ground surfaces. The criteria for enhancing visual quality are looked at critically. Many fine examples of well-designed streets are included, which should prove of interest to those in the industrial design field.

Also included are a list of interested organisations and an index of manufacturers. This well-presented book can be used in conjunction with two Design Centre catalogues of street and park furniture, which have also recently been published.

Streets ahead. Design Council in association with the Royal Town Planning Institute. Design Council, 28 Haymarket, London SW1Y 4SU. 1979. 111 pages; paperback £6.50 (ISBN 0 85072 081 8).

A library for exporters

Trade and other economic statistics from almost every country in the world, including the UK, are available for reference in the Statistics and Market Intelligence Library at Export House, 50 Ludgate Hill, London EC4M 7HU, tel. 01-248 5757 ext. 368/369, telex 886143 (DTI Export LDN). A modern well-equipped library of over 100 000 volumes, it has a public reading room equipped with microfiche readers and photocopying facilities. Among the documents available are foreign trade directories covering some 170 countries and selected trade fair catalogues. The library is open from 09.00 to 17.30, Monday to Friday (last passes for the building are issued at 17.15).

European community news

EIB loans of nearly £12m for Scotland and Wales

Loans of £11.65 million, nearly equally divided between Scotland and Wales, have been made by the European Investment Bank.

Industrial projects in Wales

Loans totalling £5.75 million have been made by the European Investment Bank for industrial projects in Wales.

One of the three loans is for £2.6 million for seven years to Tetra Pak Rausing and Co for construction of a factory at Wrexham which will process carton paper for drink and liquid food packs. The factory, of which the total cost is put at £6.5 million, and the capacity as equivalent to 1000 million packs per year, should come on stream towards the end of this year, providing initially about 50 jobs with a possibility of a further 60.

A loan of £2.5 million for 10 years has been made to Rockwood Ltd for construction of a mineral wool factory near Bridgend at an estimated cost of £13 million. Two production lines are planned, each at 18 000 tons-per-year capacity. One is due to come on stream this year and the other in1981, creating some 200 jobs.

The third loan is for £650,000 for seven years to Blaenau Plastics Ltd for a new factory at Blaenau Ffestiniog which will produce plastics compounds and components for the car, furniture and electrical goods industries. The factory, which it is estimated will cost £2.1 million, should be fully on stream by 1981, providing about 110 jobs.

These loans have been made in various foreign currencies, but each of the companies has obtained cover against exchange rate fluctuations for a charge of 1 per cent under a scheme introduced by the UK government to help promote the bank's lending for investment in assisted areas. This scheme is operated through the regional offices of the Department of Industry in England, the Scottish Economic Planning Department, the Welsh Office Industry Department and the Department of Commerce in Northern Ireland.

Scottish new town development

A loan of £5.9 million has been granted by the European Investment Bank for road, water supply and drainage schemes needed for further development of Livingston New Town, Lothian Region, Scotland.

The loan has been made to Lothian Regional Council for 15 years at 9.5 per cent and will cover about 50 per cent of the expected cost, put at close to £12 million.

Livingston – one of five new towns in Scotland built as economic growth centres and to take population overspill from congested city areas – began to be developed in the early 1960s. Its population is now about 35 000 and nearly 10 000 jobs have been attracted to the town.

The works which the EIB is helping to finance will improve road links between Livington and the east, notably Edinburgh, and the north, via the Forth Bridge, and also improve access to industrial zones; water supplies will be reinforced, with additional local storage capacity; and new industrial zones connected to the sewer network.

Including this loan, the bank has provided over £400 million for industrial and infrastructure development in and/or directly benefiting Scotland (not counting a further £56 million for development of off-shore oil and gas fields) since the United Kingdom's accession to the community in 1973. The total for the UK comes to £1,360 million.

More community news

Information on European community matters and about member states can often be found in other sections of *Trade and Industry*. For this week's additional news, turn to the following pages:

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BAe completes European satellite payload study 105

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Registration of British, community and foreign films 143

Patent agreements to be exempted from rules of competition

The European commission has published a draft regulation which, if implemented, would exempt certain patent licensing agreements which would otherwise be prohibited by article 85(1) of the treaty of Rome.

The commission considers that patent licensing agreements, as defined in the draft regulation, contribute in general to improving the production of goods and to promoting technical progress. The regulation therefore exempts patent licensing agreements which contain only the clauses listed in the regulation.

It also lists clauses which may not be included in such agreements if they are to benefit from the exemption in the regulation but this does not preclude individual notification and requests for exemption of agreements containing those clauses.

The draft was published in the *Official Journal of the European Communities*, C58, 3 March, available from HMSO bookshops.

The commission intends to implement the regulation on 1 January 1980 but before doing so has invited all those interested to send their comments on the draft, by 3 June to: Commission of the European Communities, Directorate-General for Competition, Industrial Property Rights Division, 200 rue de la Loi, B-1049 Brussels.

General information on the EEC rules of competition is available from the Department of Prices and Consumer Protection, Fair Trading Division 1b, Room 2009, Millbank Tower, Millbank, London SW1P 4QU, tel. 01-211 5122.

Directory of community level organisations being prepared

A new edition of the directory of industrial, commercial and professional organisations set up at community level is being prepared by the European commission.

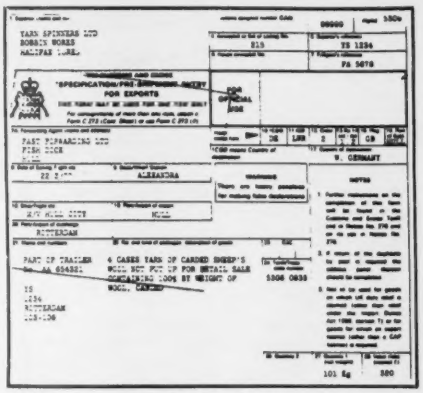
The directory, often known as the 'Neapolitan repertoire', also includes entries for service industries, for transport associations and for consumer groups.

Inclusion in the directory does not imply formal recognition by the commission but does offer a useful means of drawing to the attention of community officials and others the existence and composition of European bodies. Updated or new entries should be submitted as soon as possible, normally by the European level organisation concerned, to Mme A. op de Beek, Directorate General III, Commission of the European Communities, Rond-Point Schuman 6, 1049 Brussels.

The directory is essentially concerned with European level organisations representing member organisations throughout the community. Where no fully representative European body exists, however, the commission will consider, but not necessarily accept, entries for bodies with a more limited geographical membership. In submitting applications, such bodies should explain fully the grounds on which they consider themselves eligible for inclusion in the directory.

Towards better commodity descriptions

As an article moves in international trade from manufacturer to consumer it has to be described and coded in many different ways for many different purposes. These differences can increase the possibility of errors, are costly in time, and make the comparison and transmissions of data between organisations difficult. The increased use of computers and automatic data transmission systems during recent years has underlined the need to find some means of improving this situation. This article outlines the background to the Harmonised System and describes the present position.



The system will simplify Customs documentation.

The aim of the Harmonised System [1] being developed by the Customs Co-operation Council (CCC) is to simplify matters by providing a consistent, widely adopted nomenclature which can be used for such purposes as customs, production and trade statistics, freight tariffs, and insurance. There will be considerable advantages from uniformity of description.

But it may be that some groups of users might require to introduce additional detail beyond that of the Harmonised System itself. It is reckoned that this will be possible. For example, some groups of users may require to split down the sub-heading for: a 'sodium sulphites' into two divisions for b 'sodium hydrogensulphite' and c 'other sodium sulphites'. This will be possible and Harmonised System will not be distorted, provided that subheadings b and c together cover the identical range of goods as sub-heading a. Thus, the EEC and the UK will be at liberty, as now, to, operate their own divisions by breaking down the sub-headings of the Harmonised System.

Why a harmonised system?

The system is being based on the correlated versions of the CCC Nomenclature (CCCN) and the United Nations' Standard International Trade Classification (SITC). The four-digit headings of the CCCN, revised as appropriate, will continue to provide in the Harmonised System the broadest sub-division of goods. Within these four-digit headings there will be, in addition, sub-headings coded with one or two extra digits, that is five or six in all, and forming a structured nomenclature. As well as the Explanatory Notes to the CCCN headings, there will be explanatory notes to help clarify the contents of the subheadings, and there will be an alphabetical index. Detailed lists of goods, known as commodity descriptors, may also be included within the system.

Commodity descriptors

The descriptors would be presented in groups corresponding to the sub-headings of the structured nomenclature. Each commodity descriptor would be self-contained to describe a particular commodity, which may or may not appear independently in the structured nomenclature, as completely as is possible within the framework of the Harmonised System. So far, however, work on the system has been concerned principally with revision of the CCCN four-digit headings and with the further development of sub-headings to form the structured nomenclature.

Consultations

Representatives of many national administrations attend the meetings of the harmonised system committee (HSC), together with representatives of the United Nations' Statistical Office and the Commission of the European Communities. Many other international organisations, for example the International Chamber of Commerce (ICC), the International Chamber of Shipping (ICS), the International Standards Organisation (ISO), the International Air Transport Association and the International Union of Railways (UIC) are also present and the Simplification of International Trade Procedures Board (Sitpro) together with its French counterpart Simpro-France have made a valuable contribution to the development of the system.

Membership does not however extend to regional or national organisations representing particular sectors of trade or industry. It is, therefore, important that organisations interested in the goods covered by particular chapters of the system ensure that their views are made known to the government department from which they received the papers. Usually, it is better for views to be co-ordinated through the appropriate trade association but, nevertheless, representations may be made direct.

Proposals system

Proposals for each chapter of the Harmonised System are prepared initially by a technical team of the HSC and these are passed by Customs and Excise to the Department of Industry or the Ministry of Agriculture, Fisheries and Food for their own consideration and for distribution to interested trade associations. Comments received from all sources are channelled back to Customs and Excise, which co-ordinates UK views on the proposals and presents them at the international meetings. Before the proposals are discussed in the full HSC, preliminary meetings are held in the EEC with the object of submitting agreed observations to the HSC. It is, therefore, also important that, whenever possible, UK trade associations should discuss the proposals of the technical team with their European colleagues and, if possible, let the appropriate UK department know the results.

So, to give all those interested an opportunity to make representations, the process of consultation is fairly lengthy. Several months may elapse between the issue of proposals for a chapter by the technical team and the consideration by the HSC of those proposals together with comments on them co-ordinated by the EEC or national administrations.

Proposals by the technical team have been published for all chapters. Any organsiations wishing to comment on the chapters not yet considered by the EEC or HSC should let the UK department concerned know as soon as possible.

To avoid unnecessary work guidance is given here on some factors that need to be taken into account in assessing the proposals of the technical team.

It must be stressed that the Harmonised System is intended to be a framework on which governments and commercial interests can build their own tariffs, statistical nomenclatures, etc, by further sub-divisions; the subheadings of the system will not therefore include all the sub-headings found in national tariffs, etc, but only those which represent a major volume of world trade.

What is necessary is that the further detail required for national pruposes should be easily obtained by dividing the sub-headings. If such division seems to be difficult or if the proposals of the technical team appear not to give separate status to really important groups of goods, it may be necessary to suggest different or further sub-headings. If this is so, any proposed sub-heading must cover a well-defined group of goods which can be readily identified, precisely described and clearly distinguished from goods of other sub-headings. Also, the goods must represent a significant volume of world trade; there is no hard and fast rule as to what is significant but, in general, a proposal to specify goods where there is less than about £5 million trade a year between the EEC and the rest of the world is unlikely to succeed.

Progress

The technical team has prepared proposals for all 99 chapters of the existing CCC Nomenclature. Proposals for 58 chapters have so far been considered and provisionally agreed texts have been issued by the HSC for a majority of these. The HSC us aiming for completion of its proposals for the 4-digit CCCN headings and the 6-digit structured nomenclature parts of the system by the end of 1981. Taking into account the subsequent work on explanatory notes, etc, and the legal and administrative processes needed to implement the Harmonised System in many different countries, there is an increasing acceptance that it will not be possible to bring the system into operation widely before about 1985. The following list, which will be

[1] See also, *Trade and Industry*, 11 April 1975, page 73 and 17 September 1976, page 728.

up-dated in subsequent issues of this magazine, shows the present position:

Chapters considered by the HSC

1* Live animals.
2* Meat and edible meat offals.
3* Fish, crustaceans and molluscs.
4 Dairy produce; birds' eggs; natural honey; edible products of animal origin not elsewhere specified or included.
5* Products of animal origin not elsewhere specified or included.
6 Live trees and other plants; bulbs, roots and the like; cut flowers and ornamental foliage.
7* Edible vegetables and certain roots and tubers.
8* Edible fruit and nuts; peel of melons or citrus fruits.
9* Coffee, tea, maté and spices.
10* Cereals.
11* Products of the milling industry; malt and starches; gluten; inulin.
12 Oil seeds and oleaginous fruit; miscellaneous grains, seeds and fruit; industrial and medical plants; straw and fodder.
13 Gums, resins and other vegetable saps and extracts.
14 Vegetable materials.
15* Animal and vegetable fats and oils and their cleavage products; prepared edible fats; animal and vegetable waxes.
16* Preparations of meat, of fish, of crustaceans or molluscs.
17 Sugar and sugar confectionery.
18 Cocoa and cocoa preparations.
19 Preparations of milk, cereals, flour or starch; pastry cooks' products.
20* Preparations of vegetables, fruit, nuts or other parts of plants.
21 Miscellaneous edible preparations.
22 Beverages, spirits and vinegar.
23 Residues and waste from the food industries; prepared animal fodder.
24* Tobacco and manufactured tobacco substitutes.
25* Salt; sulphur; earth and stone; plastering materials, lime and cement.
26* Ores, slag and ash.
28* Inorganic chemicals; organic and inorganic compounds of precious metals, of rare earth metals, of radio-active elements and of isotopes.
29* Organic chemicals.
30* Pharmaceutical products.
33* Essential oils and resinoids; perfumery, cosmetics and toilet preparations.
34* Soap, organic surface active agents, washing preparations, lubricating preparations, artificial waxes, polishing and scouring preparations, candles and similar articles, modelling pastes and 'dental waxes'.
41 Raw hides and skins and leather.
42 Articles of leather; saddlery and harness; travel goods, handbags and similar containers; articles of animal gut (other than silk-worm gut).
43 Furskins and artificial fur; manufactures thereof.
44 Wood and articles of wood.
45 Cork and articles of cork.
46 Manufactures of straw, of esparto and of other plaiting materials; basketwork and wickerwork.
47* Pulp of wood or of other fibrous cellulosic material; waste and scrap of paper or paperboard.
48* Paper and paperboard; articles of paper pulp, of paper or of paperboard.
49* Printed books, newspapers, pictures and other products of the printing industry; manuscripts, typescripts and plans.
64* Footwear, gaiters and the like; parts of such articles.
65* Headgear and parts thereof.
66* Umbrellas, sun umbrellas, walking sticks, seat sticks, whips, riding crops and parts thereof.
67* Prepared feathers and down and articles made of feathers or of down; artificial flowers; articles of human hair.
68* Articles of stone, of plaster, of cement, of asbestos, of mica and of similar materials.
69* Ceramic products.
70* Glass and glassware.
71* Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metals, and articles thereof; imitation jewellery; coin.
74* Copper and articles thereof.
75* Nickel and articles thereof.
76* Aluminium and articles thereof.
77 See chapter 81.
78* Lead and articles thereof.
79* Zinc and articles thereof.
80* Tin and articles thereof.
81* Other base materials; cermets; articles thereof.
82* Tools, implements, cutlery, spoons and forks, of base metal; parts thereof.
84 Boilers, machinery and mechanical appliances; parts thereof.

* Provisionally agreed texts issued.

Co-ordinated EEC views prepared for HSC

27 Mineral fuels, meneral oils and products of their distillation; bituminous substances, mineral waxes.
31 Fertilisers.
32 Tanning and dyeing extracts; tannins and their derivatives; dyes, colours, paints and varnishes; putty, fillers and stoppings; inks.
35 Albuminoidal substances; glues.
36 Explosives; pyrotechnic products; matches; pyrophoric alloys; certain combustible preparations.
37 Photographic and cinematographic goods.
85 Electrical machinery and equipment; parts thereof.
90 Optical, photographic, cinematographic, measuring, checking, precision, medical and surgical instruments and apparatus.

Further information

Inquiries about the harmonised system should be made to the Department of Industry, Economics and Statistics Division 5B, 1 Victoria Street, London SW1H 0ET, tel. 01-215 5850 or to HM Customs and Excise, International Customs Division B1, King's Beam House, Mark Lane, London EC3R 7HE, tel. 01-626 1515 ext. 2532.

Copies of the technical team proposals and of texts provisionally agreed for the harmonised system may be obtained from the above.

No co-ordinated EEC view prepared

38 Miscellaneous chemical products.
39 Plastic materials and rubber in primary forms; unvulcanised rubber in plates, sheets or strip.
40 Semi-manufactures and articles of plastic materials or rubber.
50 Silk.
51 Wool, fine or coarse animal hair; yarn of horsehair and woven fabric thereof.
52 Cotton.
53 Other vegetable textile fibres; paper yarn and woven fabrics of paper yarn.
54 Man-made filaments.
55 Man-made staple fibres.
56 Wadding, felt and non-wovens; special yarn; twine, cordage, ropes and cables and articles thereof.
57 Textile floor coverings.
58 Knitted or crocheted fabrics; pile and chenille fabrics; tufted textile fabrics; woven fabrics of metallised yarn; gauze, tulles and other net fabrics; lace; embroidery; tapestries; narrow woven fabrics; trimmings.
59 Impregnated and coated fabrics; elastic fabrics; textile articles of a kind suitable for industrial use.
60 Articles of apparel and clothing accessories, knitted or crocheted.
61 Articles of apparel and clothing accessories, not knitted or crocheted.
62 Other made up textile articles.
63 Old clothing and old textile articles; rags.
72 Pig iron, iron and steel.
73 Articles of iron and steel.
83 Miscellaneous articles of base metal.
86 Railway and tramway locomotives, rolling stock and parts thereof; railway and tramway track fixtures and fittings; traffic signalling equipment of all kinds (not electrically powered).
87 Vehicles, other than railway or tramway rolling stock, and parts thereof.
88 Aircraft and parts thereof.
89 Ships, boats and floating structures.
91 Clocks and watches and parts thereof.
92 Musical instruments, sound recorders or reproducers; television image and sound recorders or reproducers; parts and accessories of such articles.
93 Arms and ammunition; parts thereof.
94 Furniture and parts thereof; bedding, mattresses, mattress supports, cushions and similar stuffed furnishings; lamps and lighting fittings not elsewhere specified or included.
95 Articles and manufactures of carving or moulding material.
96 Brooms, brushes, feather dusters, powder puffs and sieves.
97 Toys, games and sports requisites; parts thereof.
98 Miscellaneous manufactured articles.
99 Works of art, collectors' pieces or antiques.

It is essential that any comments on these chapters are made as soon as possible.

Commission approves drug joint research and development agreement

The European commission has granted exemption from article 85(1) of the Treaty of Rome to a joint research and development agreement between the Beecham Group Ltd and Parke, Davis and Company. The agreement was amended at the commission's request.

The aim of the agreement is to create a pharmaceutical product for the long-term prophylactic treatment of people with a family medical history of hypertension or heart disease caused by the impairment of blood circulation.

The agreement sets out two stages. The first, the project, completed in May 1978, was intended to identify promising substances and to conduct tests on them. The most promising substances are now to be developed in the second stage – the development programme – which is expected to last for a further five to 10 years.

The agreement provides, for example, for the companies to share all details of work undertaken, to hold regular meetings to appraise the work and to keep strictly confidential all information and data obtained from the project or disclosed for its furtherance. Each firm will have the right to apply for patents in its own name covering results deriving from its contribution and applications may be made for joint patents for joint results. Also each company will have the right to receive from the other a non-exclusive royalty-free licence, with power to sub-licence, to manufacture, use and sell products under any know-how or letters patent other than Japanese patents.

The commission considers that the agreement provides for joint research which will lead to technical and economic progress and that the consumer will receive a fair share of the benefits. An important factor in the commission's assessment of the case is that the necessary investigations and tests are unusually long and costly. The risks and costs involved to the parties individually are considerably reduced by the agreement to act jointly and the pooling of resources is a major factor in providing a reasonable likelihood of success. As a result of the agreement, therefore, the consumer is more likely to see quicker and better results.

The decision was published in the *Official Journal of the European Communities*, L70, 21 March, available from HMSO.

Further general information on the EEC rules of competition is available from the Department of Prices and Consumer Protection, Fair Trading Division 1b, Room 2009, Millbank Tower, Millbank, London SW1P 4QU, tel. 01-211 5122.

Do you use statistics?

The Government Statistical Service (GSS) prepares a wide range of reliable and detailed figures on the United Kingdom. It is usually worth checking to see if what you want is available from them. You can see many Government statistical publications at your local public library, buy them from HMSO or refer to the comprehensive collection held at the Statistics and Market Intelligence Library, Export House, 50 Ludgate Hill, London EC4N 7HU (tel. 01-248 5757 ext. 368).

A free pamphlet, *Government Statistics – a brief guide to sources*, gives up-to-date contact points in Departments for further information. You can obtain copies from regional officers of the Department of Industry or by writing to the Central Statistical Office Press and Information Service, Great George Street, London SW1P 3AQ.

Overseas trade news

Tokyo summit will tackle economic expansion

The next summit meeting of the heads of state and government of Canada, France, Germany, Italy, Japan, the UK and the United States will be held in Tokyo on 28 and 29 June at the invitation of Prime Minister Ohira. The European community will be represented by the president of the council and the president of the commission in sessions dealing with matters within the community's competence.

The participants at the Tokyo summit will discuss policies for the stable expansion of the world economy in the spirit of mutual co-operation that has been fostered by the previous summit meetings. Having reviewed progress made on the five specific areas covered in their declaration at the 1978 Bonn summit, they will deal with current economic problems requiring immediate attention and will examine the basic issues that confront them in the longer term. Preparatory work is now going ahead on an agreed basis.

ECGD backs Polish loan

The repayment of a £5 million line of credit which Midland Bank has made available to Bank Handlowy w Warszawie of Poland is being guaranteed by the Export Credits Guarantee Department.

The loan is available to help finance capital goods and associated services contracts placed in the UK by Polish buyers. UK exporters receive 85 per cent of the contract price from the loan; the remaining 15 per cent is payable from the buyers' own resources. To qualify under the terms of the loan a contract must have a minimum value of £20,000 and be placed by April 1980.

Exporters interested in this facility should contact Mr C. J. N. Luby of ECGD, tel. 01-606 6699 ext. 7574 or Mr S. J. Ferguson of Midland Bank, tel. 01-606 9944 ext. 4267.

Brochure on London Impo Expo issued

A new brochure describing London Impo Expo 1979 has been distributed to governments and national trading organisations in more than 90 countries around the world. The brochure is to tell them what London Impo Expo 1979 can do to help their exports to European markets.

London Impo Expo 1979 (to be staged from 16 to 27 July) opens with a five-day seminar in the Tara Hotel, London, designed to explain to representatives of the developing countries how best to sell to the EEC. This is followed by a five-day exhibition at the Wembley Conference Centre where the nations will display products and produce to buyers from all EEC countries.

Osaka display centre

As part of the modernisation of the offices of the British consulate-general in Osaka approximately 50 m^2 of display area can be made available to visiting British businessmen or local agents for the display of British products.

The space is available, in total or in part, during normal office hours free of charge which should make it an attractive proposition for small-scale exhibitions.

Interested companies should write to Keith Mutter, British Consulate-General, Hong Kong Bank Building, 4-45 Awajimachi, Higashi-ku, Osaka 541, Japan.

Marketing consumer goods in West Germany

A new edition of the booklet 'Marketing consumer goods in West Germany', prepared by the British embassy in Bonn, has been published by the British Overseas Trade Board.

The booklet provides a useful and informative guide both to firms new to the West German consumer market and to those wishing to update their existing knowledge.

Copies are available at a charge of £3 plus 20p postage from BOTB Publications Sales Unit, Room J 30, Export House, London EC4M 7HU, tel. 01-248 5757 ext. 569.

Gulf states the target for EIA mission

Gulf states are the target for a mission from 16 to 30 November being organised by the Engineering Industries Association (EIA). The centre of operations is Kuwait, but delegates are free to travel independently throughout the Gulf states.

The Gulf states have realised, says the association, they must diversify away from their dependence on oil and aim at providing self-sustaining economies by establishing basic industries. Opportunities for British exporters exist now for the supply of machinery and transport equipment. Good prospects also exist in the field of infrastructure and in the expansion of telecommunication facilities. With British exports to Kuwait increasing dramatically, Kuwait in particular remains an excellent market for exporters.

Non-members of EIA will be equally welcome to participate on this mission which has British Overseas Trade Board support.

Further information from: Anna Small, Engineering Industries Association, 16 Dartmouth Street, London SW1H 9BL, tel. 01-222 2367.

Innovation in engineering industries: seminar

A seminar on the techno-economic aspects of fabrication processes and quality control in the engineering industries, is to be held in Turin from 9 to 13 June 1980, under the auspices of the United Nations' Economic Commission for Europe.

Subjects expected to be considered include: innovation and its techno-economic influence in recent years; manufacturing systems; metal working by power laser and electron beam techniques; energy and material saving processes, re-cycling; metal forming from solid phase; design problems with advanced polymeric materials; economic aspects of product reliability; automatic non-destructive control and testing methods.

Technical visits to nearby industries will be arranged during the seminar.

Any individual or organisation wishing to attend the seminar or to submit a paper is invited to get in touch with Mr J. E. M. Lilley, Department of Industry, giving the title, the theme, and the author's name of any paper. Mr Lilley can be contacted, preferably by 15 June, at Dean Bradley House, 52 Horseferry Road, London SW1P 2AG, tel. 01-212 6873/8994.

Overseas marketing register available

A register of UK exporters with overseas marketing set-ups has been compiled by the British Overseas Trade Board. It contains over 200 entries which the firms are prepared to make available to other UK companies seeking overseas outlets for complementary non-competing products.

The register is available, free of charge, to UK businesses interested in taking advantage of the facilities offered. Its purpose is to enable firms interested in this kind of co-operation to approach potential partners direct. The board itself will not be responsible for arranging such discussions and will not take part in them.

Applications for the register should be made in writing, on the firm's letter heading, to Ian Webster, Room G12, Export House, 50 Ludgate Hill, London EC4M 7HU.

Exchange rates

The bank note rates of excnange in London on 11 April are given below. Supplied by Thomas Cook Bankers Ltd, the rates are intended as a guide only and are subject to fluctuation. OECD countries are shown in bold.

		You buy at	You sell at
Afghanistan	Afghani	125	145
Andorra	(See France/ Spain)		
Antigua	E. Caribbean dollar	5.38	5.58
Argentina	Peso	2 250	2 650
Australia	**Dollar**	**1.8725**	**1.9350**
Austria	**Schilling**	**28.90**	**30.90**
Bahamas	Dollar	2.05	2.20
Bahrain	Dinar	0.805	0.84
Barbados	Dollar	3.94	4.27
Belgium	**Franc**	**63.25**	**66.75**
Belize	Dollar	4.20	4.77
Benin	CFA	460	480
Bermuda	Dollar	2.00	2.14
Bolivia	Peso	45	58
Botswana	Pula	1.95	2.15
Brazil	Cruzeiro	50	63
Brunei	Dollar	4.55	4.75
Cameroon	CFA	460	480
Canada	**Dollar**	**2.3950**	**2.4650**
Chile	Peso	70	84
China	Ranimbi Yuan	Refer	Refer
Colombia	Peso	75	85
Costa Rica	Colon	18.50	22.50
Cyprus	Pound	0.70	0.74
Denmark	**Krone**	**10.96**	**11.46**
Dominica	E. Caribbean dollar	5.38	5.58
Ecuador	Sucre	53	65
Egypt	Pound	1.48	1.65
Eire	**Pound**	**1.01**	**1.05**
Fiji	Dollar	1.74	1.82
Finland	**Markka**	**8.33**	**8.68**
France	**Franc**	**9.00**	**9.40**
Germany, FR of	**Deutschmark**	**3.94**	**4.16**
Gibraltar	Pound	1.00	1.05
Greece	**Drachma**	**74.50**	**79.50**
Grenada	E. Caribbean dollar	5.38	5.58
Guyana	Dollar	9.25	Refer
Hong Kong	Dollar	10.50	10.95
Iceland	**Krona**	**777**	**807**
Indonesia	Rupiah	1 200	1 400
Iran	Rial	200	Refer
Iraq	Dinar	0.72	0.78
Israel	Pound	41.75	46.75
Italy (20 000 and smaller)	**Lira**	**1 735**	**1 820**
Japan	**Yen**	**450**	**475**
Jordan	Dinar	0.61	0.65
Korea(s)	Won	1 150	1 350
Kuwait	Dinar	0.5775	0.6075
Lebanon	Livre	6.80	7.30
Liberia (see USA)		—	—
Libya	Dinar	1.29	Refer
Luxembourg (see Belgium)	**Franc**	—	—
Madeira (see Portugal)	Escudo	—	—
Malaysia	Dollar	4.64	4.86
Malta	Pound	0.72	0.75
Mauritius	Rupee	11.88	13.75
Mexico	Peso	42	51
Monaco (see France)	Franc	—	—
Netherlands	**Guilder**	**4.25**	**4.48**
New Zealand	**Dollar**	**1.92**	**2.01**
Nigeria	Naira	2.15	Refer
Norway	**Krone**	**10.64**	**11.09**
Oman	Rial	0.72	0.7650
Pakistan	Rupee	18	24.50
Peru	Sol.	425	575
Philippines	Piso	14.50	17.50
Portugal	**Escudo**	**97.00**	**98.50**
Qatar	Rial	8.09	8.44
Saudi Arabia	Rial	7.09	7.45
Seychelles	Rupee	12.77	13.25
Sierra Leone	Leone	2.25	2.50
Singapore	Dollar	4.50	4.69
South Africa	Rand	2.00	2.15
Spain	**Peseta**	**140.75**	**147.75**
Sweden	**Krona**	**9.10**	**9.50**
Switzerland	**Franc**	**3.57**	**3.79**
Syria	Pound	8.25	9.45
Taiwan	Dollar	84	99
Thailand	Baht	36.00	45.00
Trinidad and Tobago	Dollar	5.20	6.30
Turkey	**Lira**	**85**	**89**
Uganda	Shilling	37	Refer
United Arab Emirates	Dirham	8.09	8.44
USA	**Dollar**	**2.09**	**2.15**
Yemen Arab Republic	Rial	12	14
Yugoslavia	Dinar	42.50	44.50
Zambia	Kwacha	5.75	Refer

Where more than one rate applies to a currency, the rate given is that for small denomination notes.

JCB in Indian joint venture

Gilbert Johnston, chief executive of JCB, shakes hands with Rajan Nanda, vice chairman and joint managing director, Escorts Ltd, following the signing of a joint-venture project for the manufacture of JCB excavator loaders in India. The new company is to be known as Escorts JCB Ltd. Escorts hold a 60 per cent stake and JCB 40 per cent. A new factory is to be built on a 10-hectare site at Faridabad, about 25 miles from Delhi, and the first machines are scheduled to roll off the production lines early next year. The factory will have an initial capacity for 500 machines a year. JCB's investment so far is £250,000.

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Bonded warehouses: proposed new policy

HM Customs and Excise is reviewing its policy as it affects the approval of bonded warehouses for wines and spirits.

For many years bonded warehouses approved for the storage of wines and spirits were operated by public warehousekeepers, who had no direct interest in the ownership of the goods. These warehouses were operated for the use of traders in general and were intended to serve the needs of the trade in a particular geographical area. They tended to be run by old-established public warehousing companies or else by quasi-official bodies such as the Port of London Authority or National Carriers. But in recent years as companies in the wine and spirit trade expanded, some sought bonded facilities of their own, so as to be able to exercise more control over their own operations and distribution activities. For these and other reasons of trade economy, Customs and Excise began to receive applications for warehouse approval from the proprietors of the goods themselves. This permission was granted subject to the requirement that the warehouse should be made available for the use of trade in general although Customs and Excise was aware that many proprietors were not in fact storing goods other than their own.

This approval gave the proprietor of the goods a competitive advantage. More applications were then received and with their granting the traditional public warehouses began to lose trade, to the point where, in some cases, they were mainly serving the smaller traders.

Two other developments bear on the question of whether the present policy fully satisfies the needs of the trade. The first is the growth of conglomerates with vertically integrated structures from producer/importers to retailers. The second is the development of supermarkets selling wines and spirits on the basis of minimum stocks and quick turnover. These developments have led to applications for networks of distribution warehouses, some to be operated by the conglomerates who would store only the goods of their constituent companies, and others by distributors who supply the supermarkets.

Although warehouses operated by either of these two types of applicant would serve a large geographical area, they would not in themselves necessarily satisfy the needs of competing traders.

In addition, some proprietors who want to hold stocks duty-free but are reluctant to use existing facilities, have sought approval of their own premises. This desire is obviously stimulated if competing traders have already obtained it. Some of the larger freight forwarders also seek approval of their own premises on the basis that having warehouse facilities will enable them to offer an integrated service to their customers.

The following proposals have been put to the principal trade associations for discussions.

Any new policy designed to meet the trade's expectations of the bonded warehouse system as above is bound to lead to an increase in official staff; the government's cash limits policy means that this increase must either be met by economies, preferably from elsewhere within the warehousing field, or the cost must be recovered from those standing to benefit from the policy change. These economies might be secured by not renewing the approval of some existing warehouses when they come up for review, and one method of recovering costs might be to charge, for example, a licence fee for warehouses not catering for *general* trade use.

It is thought that, under the new policy, approval would be granted to any suitable applicant able to provide and operate a bonded warehouse having a substantial volume of business and of a standard of efficiency that would permit official control to be exercised in an economical fashion. Each such warehouse would be expected to provide for a significant part of the overall needs of the trade. This would mean that its capacity should be several times greater than the minimum storage area criteria set many years ago when the trade was much smaller than it is now. Moreover, modern methods, such as palletisation, racking and high-speed machinery, make it inappropriate to consider superficial storage area alone. The criteria for determining whether there is a substantial volume of business might therefore be:

☐ A stock-holding capacity of at least 125 000 cases; or

☐ A stock-holding capacity of at least 80 000 cases plus an annual throughput of at least 300 000 cases (probably with a stipulated minimum quantity to be cleared at any one time); or

☐ A bottling capacity of at least 5000 cases per week, with appropriate and related storage facilities.

It would not be realistic to expect that all applicants could necessarily achieve these levels of business immediately. Initially, therefore, approval would be given for not more than two years, during which time the warehousekeeper would be expected to establish a trade of not less than 80 per cent of the relevant criteria. The position would then be reviewed and, if thought fit, a further period of approval would be allowed to enable the full level of trade to be achieved. Further renewals of the approval would be conditional upon the prescribed level of trade being maintained.

To contain the costs of revenue administration, Customs and Excise intends to phase out existing warehouses doing less than half the level of trade stipulated for new approvals. So, there would be a critical appraisal of each warehouse when the renewal of its approval was being considered.

Special considerations would however apply to warehouses catering for specialised export needs; and Customs and Excise would also be prepared to make exceptions to permit the maintenance of sufficient public warehousing facilities for, for example, the smaller traders who are unable to obtain approval of their own warehouses.

Customs and Excise would also seek, in appropriate cases, the introduction of changes at warehouses which would enable the cost of official control to be reduced.

The non-renewal of an approval has been a rare event in the past and it is not expected to be commonplace under the new policy. But so that approval can be given to the additional warehouses which are being sought without increasing public expenditure it is essential that the existing arrangements are modernised and that warehouses which require a disproportionate allocation of official resources to control them are progressively eliminated.

Woolverton heads ODM's Middle East development division

Kenneth Woolverton is the new head of the British development division in the Middle East. He succeeds John Rowley.

The development division is based in Amman, Jordan, and advises both British embassies and high commissions and the Ministry of Overseas Development in London on the development needs of the middle east. It is also responsible for advice on paid technical co-operation schemes in Saudi Arabia and the Gulf states.

Mr Woolverton, 52, has worked at the Ministry of Overseas Development for the past 12 years.

Hints to exporters booklets

Revised editions of the booklets on the People's Republic of China, and the Philippines have been published.

British exporters can order these booklets by post, accompanied by the appropriate remittance, from the Department of Trade, Publications Sales Unit, Export House, 50 Ludgate Hill, London EC4M 7HU at £1 per copy, plus postage and packing as follows: 1 copy, 20p; 2 to 4 copies, 30p; 5 to 7 copies, 40p; more than seven post free.

Copies may also be purchased by personal callers at Export House and at the offices of the Department of Industry at Newcastle upon Tyne, Cockermouth, Manchester, Leeds, Nottingham, Birmingham, Bristol; from the Scottish and Welsh Offices; and from the Department of Commerce, Belfast.

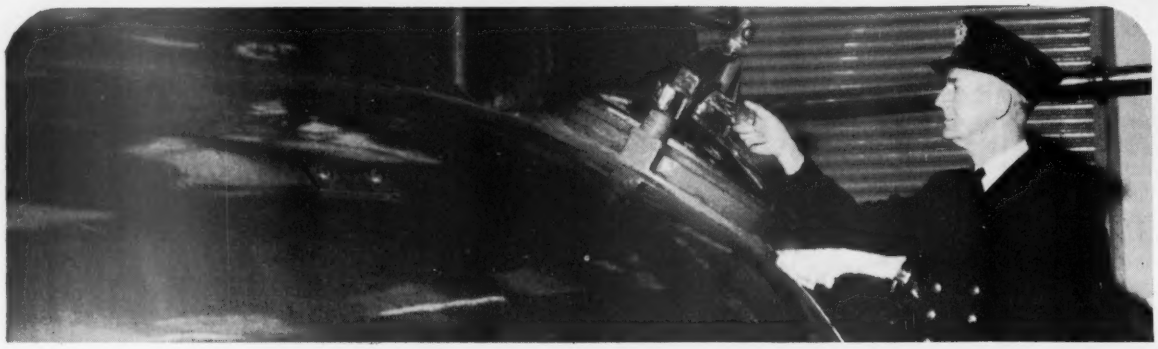
Disclosure of import information

Consideration is being given, under section 3 of the Finance Act 1967, to the disclosure of information on the following goods:

SITC(R2)/Trade description	Code no.
752.5	
Peripheral units, storage units	8453 6100
Imput and/or output units	8453 6500
Other	8453 6900
759.9	
Parts n.e.s. of and accessories for data processing machines	8455 9600

The government is consulting the Association of British Chambers of Commerce, 6-14 Dean Farrar Street, London SW1H 0DX, on these proposals and the association will take into account any views received from importers by 11 May 1979.

Inquiries may be addressed to Economics and Statistics Division 5, Branch B2, Department of Industry, 1 Victoria Street, London SW1H 0ET, tel. 01-215 5770.



Customs notices of interest to exporters

The following public notices issued by HM Customs and Excise relate to various aspects of export procedure. Copies of these notices may be obtained from local offices of Customs and Excise, addresses of which appear in the telephone directory or from the Secretary, HM Customs and Excise, 39-41 Mark Lane, London EC3R 7HE.

7	Drawback of excise duty on mixed or blended beers.
17	Trade between the United Kingdom and the Channel Islands.
49	Temporary importations: information document.
104	ATA Carnets.
112	Authorised hours for customs work at ports, airports and in long rooms and charges for attendance given at the request of merchants.
112A	Charges for attendance given at private premises at the request of merchants.
118	Samples imported for promoting export trade.
156	Continental Shelf.
172	Hydrocarbon oils: drawback of excise duty.
210	Temporary importation of films and similar goods for copying, printing, etc., to fulfill export orders.
221	Duty relief under the Inward Processing Relief Regulations 1977.
224	Beer exported on drawback as merchandise: examination and sampling.
235	Relief on goods to be processed or repaired outside the Community.
236	Returned Goods Relief EEC 1977.
242	European Economic Community: compensatory levy: arrangements after 30 June 1977.
266	Goods not in accordance with contract: repayment of customs duty.
275	Documentation of exports for statistical purposes.
276	Customs Export declarations in the C273 and C63A Series and Export declarations forming part of Customs Export control documents – Guidance on their completion.
290	Export of personal and household effects.
291	Effect of budget changes on claims for drawback.
300	Export reliefs scheduling scheme.
703	VAT – exports.
704	VAT – retail export schemes.
705	VAT – tax free sales of motor vehicles to tourists, etc.
750	Community transit – this describes the system as a whole.
750A	List of community transit offices.
751	Notes on completing community transit forms T1, T2 and T3 and control copy T forms.
753	Community transit – the simplified procedure for goods carried by rail.
754	Community transit – intra-community treatment of the catches of fishing vessels registered in member states.
755	Community transit – special control procedures.
800 (Aug 1975)	The European Economic Community. Common agricultural policy: customs procedures in respect of export refunds, levies and licences.
811	EEC preferences – Greece.
812	EEC preferences – Turkey.
816	EEC preferences – Spain.
827	EEC exports – preference procedures.
828	EEC preferences – rules of origin.

Overseas trade exhibitions

Furs to the fore at Munich fashion week

From D T Cox, British consulate-general, Munich

A quiet fair but highly satisfactory results sums up the attitude of the 41 British exhibitors at the Munich fashion week, held for the thirty-ninth time (between 1 and 5 April) at the fair grounds and in hotels and fashion houses throughout the city. Thirty of these firms took part in a joint venture between the Clothing Export Council and the British Overseas Trade Board.

There were a total of 1815 exhibitors from 27 countries, approximately one-third of this number being from outside the federal republic. The fair organisers claim that some 48 000 visitors from Germany and overseas were attracted to this Mode Woche, 5000 more than at this time last year, but exactly the same as the October 1978 event.

Of the 30 firms in the British joint venture, 24 had previous experience of the Munich fair. Many are by now regulars, convinced of the value of continued participation at this twice-yearly event for maintaining contacts and meeting new ones.

The joint venture has a nicely balanced look. The April event is of course the main one for furriers and of these Fantasia Furs Ltd, with firm orders of around £120,000 was outstanding, as were M. Edelson Ltd and Saul Sandler & Son, the latter despite the misfortune of having three valuable furs stolen during the fair.

The continued popularity of kilts and quality knitwear in this part of the world was underlined by the success of such Mode Woche 'old hands' as Laird Portch of Scotland, with orders of £36,000, F. J. Bacon, £55,000 and more than 120 serious inquiries and Clan Laird Fashions. One of our most consistently successful joint-venture participants, Crochetta, reported more than 300 serious inquiries for its range of knitwear: the stand was visibly popular throughout the event. The ability of British evening, cocktail and bridal wear to compete in this demanding market was illustrated once again by Ellis and John Charles, with orders of £79,000. Ladies' and girls' dresses by Shubette of London and Willow Modes, and skirts by R. J. Freedman (Sportswear) consolidated their excellent reputations for quality which they have built up here over the years. Most of the six newcomers felt their initial participation had been worthwhile and, having learned much by it, would consider coming back next time. This positive attitude was typified by Emcar (suits and dresses) which was in the process of appointing an agent here (and was incidentally the company used as the model for the recent 'self-organised groups' study by the Clothing and Allied Products Industry Training Board) and Scotnord Ltd (Scottish knitwear) whose stand was made even more eye-catching by the highland regalia sported by its three representatives.

The next Munich fashion week takes place between 7 and 11 October 1979.

Enthusiastic response to NAB convention

From Ronald Harrison, British consulate-general, Dallas

Twelve British companies took part in a joint venture, sponsored by the British Overseas Trade Board and the Electronic Engineers Association, at the National Association of Broadcasters Convention, held in Dallas from 25 to 28 March. All received a substantial number of serious inquiries and all intend to exhibit at the next NAB show at Las Vegas 13 to 16 April 1980.

The reason for their enthusiasm is that the NAB is the world's largest show of broadcasting equipment and is regarded by many as the most important.

Its significance as a national event was recognised by President Jimmy Carter who chose to visit Dallas for the first time since his election, to address the opening session of the convention. Sessions were also addressed by James Schlesinger, United States Secretary of Energy, Charles Ferris, chairman of the Federal Communications Commission.

Throughout the convention there were separate radio and television work-shops. Attendance at the show included more than 7000 broadcasters and over 6300 customers and potential customers invited by exhibitors. There were 330 exhibitors and 375 booths.

NAB members can exhibit and only companies can obtain membership. This means that United States' overseas companies must exhibit under the names of their United States' subsidiaries or agents.

About 40 overseas exhibitors participated in this way including Agfa-Gevaert, Angenieux, Bosch-Fermseh, Canon, Sony, Fuji, Hitachi and Philips. The 13 British exhibitors included English Electric Valve, Marconi, Racal Acoustics, Rank-Taylor Hobson, Neve Quantel and W. Vinten.

The British companies all found the show useful as a forum for demonstrating their technology, for gaining technical information, for keeping any eye on their competitors' pricing and products and for meeting existing customers and making new contacts with potential buyers. The potential buyers came not only from different parts of the United States, but also from other countries, notably Mexico, Brazil, Colombia, Argentina, Nigeria, Taiwan, Japan, Australia and several European countries.

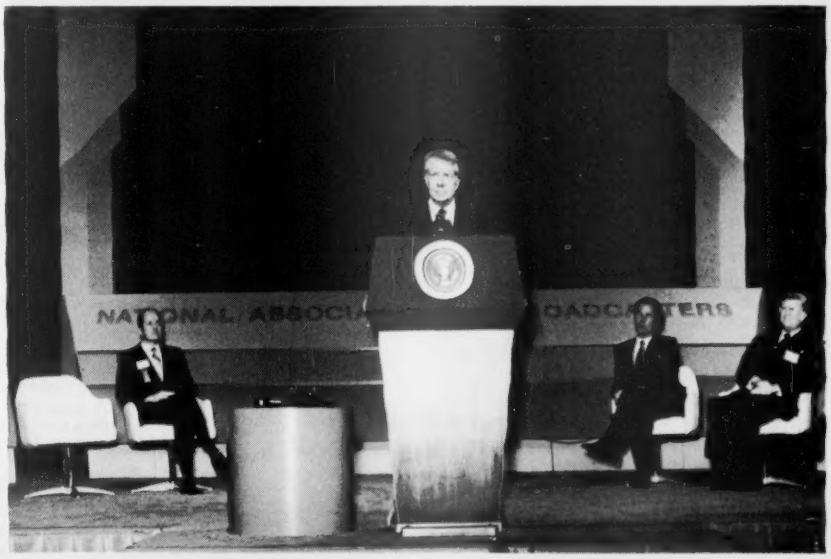
Britain shows the way at Medic Asia

From John Wilde, British high commission, Singapore

The 36 British manufacturers exhibiting at the first international medical and hospital equipment exhibition in Singapore from 20 to 24 March were a little surprised to find that they had almost no competition for visitors' attention. The five other national stands were small in comparison and could not, in any case, compete with the highly attractive and distinctive stand sponsored by the British Health-Care Export Council and the British Overseas Trade Board.

Visitors, who included the minister for health, the director of medical services

President Jimmy Carter addresses the NAB convention.



from Singapore and many doctors and health-care officials from Singapore, Thailand, Malaysia and other Asian countries, were impressed by the wide range of equipment and services on show on the British stand. From hospital beds and furniture to sophisticated electro-medical and electro-surgical equipment; from dressings and other nursing aids to hospital planning and management services, there was something for everyone.

Several companies, like Clement Clarke International and Jacob, White (Hospital Equipment), sold all their exhibits off the stand, and others received even more significant orders. Eschmann Bros and Walsh sold several operating tables to customers from Thailand and Taiwan, and Western Medical group received orders well over £50,000 for its water-beds.

With several thousand visitors from throughout south-east Asia – and beyond, from Japan and Australia, for example – the first Medic Asia exhibition was a success.

But thanks, and hopefully rewards, must go in no small measure to the impressive British presence and to the enthusiasm and professionalism of the British exhibitors.

Petro Expo at Houston breaks all records

From F. Paul Pedersen, British vice-consul (commercial), Houston

Over 40 000 people from the petrochemical industry, including 3500 chemical engineers and scientists from many parts of the country and of the world, were in Houston from 2 to 5 April for the eighty-sixth annual national meeting of the American Institute of Chemical Engineers.

The AIChE conference is held yearly in conjunction with the AIChE petroleum and refining exposition and was larger this year than any time in its 10-year history. Over 159 new companies registered this year to exhibit at Petro Expo.

The four days of activities started on Monday with a diversified technical programme of 89 sessions geared toward the solution of present and future problems in the petroleum and petrochemical industries. The major emphasis of the programme focused on such important areas as oil, gas, coal, shale and solar energy.

This year's British exhibit was the second joint venture sponsored by the British Overseas Trade Board and the Council of British Manufacturers of Petroleum Equipment and included the following firms: Capper-Neill, Compeda, Eltron (London), Graphite Equipment, Isopad, Measurement Technology, Teddington Bellows, Triangle Valve, Truflo and Charles Winn (Valves).

The overall reaction of British participants was that the exhibition this year far exceeded their expectations in attendance and calibre of visitors. Although, as anticipated, there were no sales made on the stands during the show, many participants indicated response to their products or services was overwhelming.

Houston and the surrounding gulf coast is recognised as the world's petroleum refining capital and the centre of this nation's greatest concentration of petrochemical and chemical industries.

Houston presently is the nation's fifth largest city and is home to a growing cosmopolitan population of more than 2¼ million. It is the heart of a complex petrochemical, petroleum, agricultural region through which flows much of the export-import business of the southwest. Houston has the third largest deep-water port in the United States and is the number one manufacturer and distributor of oilfield and related equipment.

OTAR: help for exporters

Overseas Tariffs and Regulations Section (OTAR), Export Services and Promotions Division, Department of Trade, Export House, 50 Ludgate Hill, London EC4M 7HU, tel. 01-248 5757 can give you directly, or through your regional office, up-to-date information on the tariffs and customs regulations of overseas countries, import licensing regulations and restrictions including import quotas; certificate of origin; consular invoices and fees; labelling and marking requirements; and regulations on foodstuffs, drugs and pharmaceuticals, agency legislation setting up of a subsidiary company and the import of samples. It also provides information, in collaboration with the Ministry of Agriculture, Fisheries and Food, on health regulations for livestock, meat, animal products and plants and seeds. In short, OTAR can help on almost all legislation which affects the entry of British goods into overseas countries.

Inquiries which concern the countries of more than one sub-section (excluding inquiries involving only EEC countries) should be made to OTAR's co-ordination sub-section of 01-248 5757 extension 452 or 454.

For information on specific countries, phone the number and extension given below

01-248 5757

extension

Sub-section A
1 Co-ordination of EEC regulations requirements and common customs tariff (CCT), Denmark, France incl. overseas territories, Greece, Turkey, Cyprus

408 Denmark (incl. Faroe Islands and Greenland). EEC legislation on tariff and non-tariff barriers relative to community trade
423 France and French overseas departments, French overseas territories, Comoros
439 Greece (incl. Dodecanese Islands), Turkey, Cyprus

2 Benelux, Dutch overseas territories, Irish Republic, Italy, Federal Republic of Germany

288 Belgium, Luxembourg, Netherlands, Netherlands Antilles, Aruba, Bonaire, Curacao, St Eustatius, St Martin (Dutch), Saba, Suriname
466 Italy, Irish Republic
467 Federal Republic of Germany

Sub-section B
Efta countries, Spain, Gibraltar, Malta, Israel, Macao

458 Israel, Norway, Gibraltar, Malta
459 Austria, Sweden, Switzerland
460 Portugal, Finland, Iceland, Macao
461 Spain, Canary Islands, Andorra

Sub-section C
1 North America, Bahamas, Bermuda, West Indies

455 Canada
456 USA (incl. Alaska, Caroline Islands, Guam, Hawaii, Mariana Islands, Marshall Islands, Panama Canal Zone, Puerto Rico, Samoa (US), Virgin Islands (US), Wake Island)
7312 Anguilla, Antigua, Bahamas, Barbados, Belize, Bermuda, British Virgin Islands, Cayman Islands, Dominica, Grenada, Guyana, Jamaica, Montserrat, St Kitts/Nevis, St Lucia, St Vincent, Trinidad and Tobago, Turks and Caicos Islands

2 South and central America

474 Argentina, British Antarctic Territories and Antarctica, Cuba, Dominican Republic, Falkland Islands, Haiti, Paraguay, Uruguay, Bolivia, Chile, Colombia, Ecuador, Peru, Venezuela
476 Brazil, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama

Sub-section D
Africa

462 Algeria, Ceuta and Melilla, Egypt, Equatorial Guinea, Libya, Morocco, Sudan, Tunisia, Western Sahara
471 Angola, Cape Verde, Guinea-Bissau, Jibuti (Djibouti), Malawi, Mauritius, Mozambique, Rwanda, St Helena and Tristan da Cunha and Ascension Islands. Sao Tome/Principe, Seychelles, Somalia, South Africa (wm Botswana, Lesotho, SW Africa/Namibia and Swaziland), Zambia, British Indian Ocean Territory
472 Benin, Burundi, Cameroon, Central African Empire, Chad, Congo (Brazzaville), Ethiopia, Gabón, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Mali, Mauritania, Niger, Senegal, Tanzania, Togo, Uganda, Upper Volta, Zaire
473 The Gambia, Liberia, Nigeria, Rhodesia, Sierra Leone

Sub-section E
Australasia and south-east Asia, eastern bloc, China, Mongolia, Yugoslavia

401 New Zealand, Singapore, Thailand, W. Samoa, Chatham Islands, Cook Islands, Niue Islands, Tokelau Islands, Philippines
468 Australia, Solomon Islands, Cocos (Keeling) Islands, Christmas Island (Indian Ocean), Nauru, New Hebrides, Papua New Guinea, Albania, Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland, Romania, USSR, China, Mongolia, Yugoslavia
469 Brunei, Fiji, Hong Kong, Indonesia, Malaysia, Tonga, Gilbert Islands (incl. Ocean Island, Phoenix and Northern Line Islands), Tuvalu, Norfolk Island, Pitcairn Island

Sub-section F
Middle East (Part) and Asia (Part)

420 Afghanistan, Burma, India, Pakistan, Japan, Korea Democratic Peoples Republic, Korea Republic of Taiwan, Yemen Arab Republic, Yemen Peoples Democratic Republic
475 Iraq, Kampuchea (formerly Cambodia), Kuwait, Laos, Lebanon, Vietnam Socialist Republic of, Bahrain, Iran, Oman, Qatar, Syria, United Arab Emirates
7062 Bangladesh, Jordan, Maldives, Nepal, Saudi Arabia, Sri Lanka

Overseas trade
export services

Freepost reader service

For further information on items in this section, circle the corresponding number on the reader services page near the end of the magazine.

BMT packages for Budapest and Copenhagen fairs

Barry Martin Travel is offering a choice of inclusive travel packages for three important forthcoming trade fairs at Copenhagen and Budapest. Copenhagen is the venue for the Scandinavian furniture fair (2 to 6 May) and the international food fair (22 to 27 May), and Budapest hosts the annual spring trade fair (23 to 31 May) for precision engineering and light industry. Group and individual arrangements are available for the furniture fair; individual arrangements only are available for the international food and spring trade fairs.

Copenhagen travellers will be accommodated at the Scandinavia Hotel which is handily placed for the exhibition site at Bella Center. There is a choice of departure dates for furniture fair visitors on a group basis – staying one night only – departing London 09.25 on 3 and 4 May, and returning 19.00 on the following day.

Rates per person are £138.50 (single room) or £125.50 (twin room). Individual rates on a minimum six-night stay basis are £372 (single) or £300 (twin). Arrangements for the food fair are based on individual travel and minimum six-night stay at £384 (single) or £293 (twin). Apex rates are also available at £348 (single) or £241.75 (twin) for seven nights (minimum).

Visitors to the Budapest fair are offered accommodation at the Hilton, Intercontinental, Gellert, Royal, and Astoria hotels. Rates for three nights range from £204 to £258 depending on choice of hotel.

Each BMT package includes scheduled air flights from London, airport/hotel transfers, continental breakfast (except Hilton and Intercontinental), and the services of BMT's on-site representative at Copenhagen.

Further information: circle 399

Tradewinds starts US split charter service

Tradewinds' new split charter service to the United States started on 24 March. Operating once weekly Tradewinds One will depart London Gatwick Airport every Saturday at 2200 hours, arriving in New York's J. F. Kennedy Airport at 2300 hours eastern standard time.

Since being granted its licence in mid December, Tradewinds has expanded its services to and from the United States, up to a current level of three flights a week. It is intended to operate five scheduled round trip flights per week.

One of the company's most important contracts is for the Formula One Association, for which Tradewinds carries the racing cars for the various United States grand prix meetings. One of the most recent of these flights, carried 24 racing cars and 32 tonnes of spares for the formula one race at Long Beach, California.

Further information: circle 400

Sea/road container service to Iran resumed

The sea/road container service to Iran operated by Manchester Liners has been reopened.

The company's service from Manchester to Iskenderun, Turkey, combined with integrated on-carriage by overland truck to Iran, was suspended at the beginning of the year because of the political problems in Iran.

Full container load cargo bookings have been opened by Medliners-Iran for the next container vessel sailing from Manchester.

Further information: circle 401

Local agents appointed for Saudi services

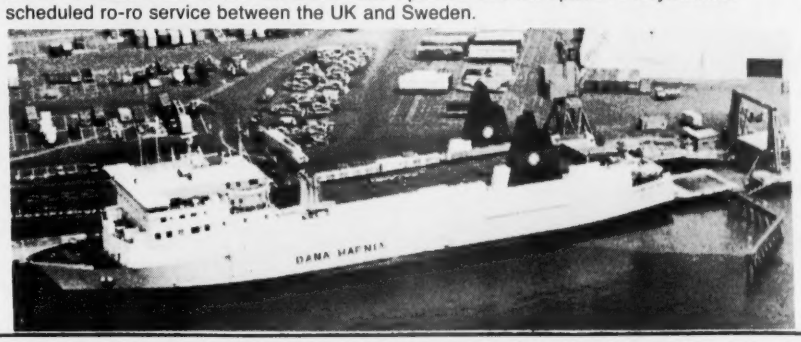
To strengthen its groupage and full load container services to Saudi Arabia, the T and K Freight Group has appointed Red Sea Trading and Shipping Establishment as its local agents in Jeddah.

This agency agreement, which has been in operation since the beginning of February, will, the company claims, considerably enhance the benefits users of the service receive in Saudi Arabia. Red Sea will work in close co-operation with the T and K's middle east commercial delegate, who is permanently based in Jeddah, to give on-the-spot assistance with port clearances, customs formalities and on-forwarding.

Red Sea has its own warehouse and fleet of vehicles and the capability to deliver containers to any destination in Saudi.

Further information: circle 402

Ferrymasters, the haulier within PO European Transport Services' operations, has chartered the ro-ro vessel *Dana Hafnia* for a two-month period. She will operate Ferrymasters' scheduled ro-ro service between the UK and Sweden.



中文翻译与排版

CHINESE TRANSLATION AND TYPESETTING

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Overseas trade country data

Australia

Iron and steel products. The Australian Industries Assistance Commission has issued a draft of its report on the question whether assistance should be granted to the manufacture of basic products of the iron and steel industry. The draft is being made available to give interested parties an opportunity to examine and comment on it before final recommendations are made to government.

To receive submissions on the draft the commission will hold a further public hearing on Tuesday, 29 May, at the Public Inquiry Room, Industries Assistance Commission, Marland House, 570 Bourke Street, Melbourne.

A copy of the draft report may be obtained on loan from Department of Trade, Room 336, 1 Victoria Street, London SW1H 0ET.

Inquiries: CRE 01-215 5319.

Ref: CRE 1463/74

Ships, boats, etc. The Australian Industries Assistance Commission has issued a draft of its report on whether assistance should be accorded the production in Australia of vessels not exceeding 6000 tons gross register of a kind falling within items 89.01, 89.02 or 89.03 of the customs tariff.

The draft is being made available to give interested parties an opportunity to examine and comment on it before final recommendations are submitted to government.

To receive submissions on the draft the commission will hold a further public hearing commencing at 10.00 hours on Tuesday, 15 May, in the Public Inquiry Room, Industries Assistance Commission, 16th Floor, 59 Goulburn Street, Sydney, NSW.

A copy of the draft report may be obtained on loan from Department of Trade, Room 336, 1 Victoria Street, London SW1H 0ET.

Inquiries: CRE 01-215 5319.

Ref: CRE 863/77

Further information

In many cases further information on the notices published on these pages is available to British exporters from the Department of Trade. The main branches concerned are: Commercial Relations and Exports (CRE) Divisions, 1 Victoria Street, London SW1H 0ET (tel. direct dialling); and Overseas Tariffs and Regulations Section (OTAR), Export Data Branch, Export Services and Promotions Division, Export House, 50 Ludgate Hill, London EC4M 7HU, tel. 01-248 5757. In each case, the relevant information source is indicated at the end of the notice by its initials (OTAR or CRE) and, in the case of OTAR, the telephone extension.

Surgical swabs. The Australian government has received a request for temporary protection against the import into Australia of pre-injection surgical swabs falling within tariff item 30.04.100.

Requests for temporary protection are initially considered by the department concerned and at a later stage they may be referred to the Temporary Assistance Authority (TAA) for inquiry and report within 45 days of the date of the reference. Any temporary protection which may be accorded on the recommendation of the TAA is in the nature of a holding action pending government consideration of the general question of long-term protection for the industry.

Those interested either in support of, or in opposition to, the request may submit their views to the Department of Industry and Commerce, PO Box 80, Canberra, ACT 2600, for consideration.

A further notice will be issued, giving date and location of the public hearing, should the matter be referred to the TAA.

Inquiries: CRE 01-215 5319.

Ref: CRE 734/79

Spanners. A notice in *Trade and Industry*, 27 October 1978, reported the date of the public hearing by the Industries Assistance Commission (IAC) on the question whether assistance should be accorded the local production of spanners, etc, falling within tariff item 82.03.2.

The government has now considered the recommendations of the IAC and has decided that short-term assistance should not be provided in the case of the production of adjustable spanners.

The IAC has not yet reported to government on the question of long-term assistance to the industry.

Inquiries: CRE 01-215 5319.

Ref: CRE 1466/78

Cameroon

Public works contracts. Following a presidential decree all contracts of over 50 million CFA francs in value will now be processed and awarded by the presidency. Public works contracts of less than 50 million CFA francs can, however, be awarded by provincial commissions.

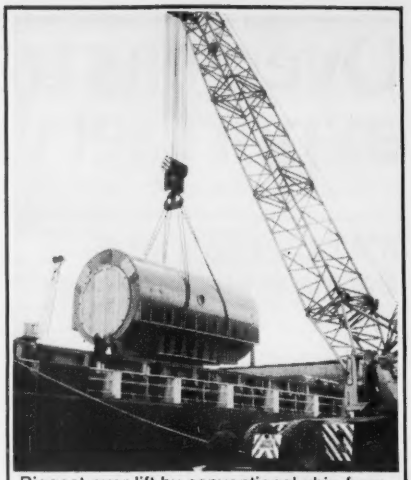
Inquiries: CRE 01-215 5334.

Fiji

Weights and weighing instruments. The Fiji government has issued an amendment to the Customs (Prohibited Imports) Order 1975 prohibiting the importation of the following:

Weights or measures, or weighing or measuring instruments, graduated in imperial or in both imperial and metric units, and used for the purpose of trade.

Inquiries: OTAR 01-248 5757 ext. 468/469/401.



Biggest ever lift by conventional ship from the Port of Manchester – a 210-tonne power station stator core – carried by the Golden Cross Line, for the Sundance hydro-electric power scheme in Canada.

Greece

Consumer tax. In a recent Greek press report it was announced that a consumer tax is now levied on the following items being imported into Greece.

Tuner-amplifiers, classified under BN 85.15 A3 will be subject to a 25 per cent consumer tax, except those intended for industrial use. Household articles, such as china and sanitary equipment, classified under BN 69.10, 69.11 and 69.12, will be subject to a 15 per cent consumer tax.

Inquiries: OTAR 01-248 5757 ext. 439.

India

Budget 1979/80. The Indian Finance Minister has presented the new budget. The expansionary tone of last year's budget and the pattern of public expenditure have been continued, reflecting the generally satisfactory progress being made by the Indian economy. A marked shift is evident in indirect taxation where duties have been lowered on agricultural inputs for cottage industries and increased on a wide range of consumer goods for urban and higher income groups.

The Finance Bill 1979 proposes numerous changes in excise duty rates which, if confirmed, would be effective as from 1 April 1979. In the main these changes only affect indigenous goods.

The most important change, however, is that item 68 of the excise tariff, which relates to all goods not covered by a specific excise tariff item, is to attract duty at 8 per cent *ad valorem* instead of 5 per cent *ad valorem*.

When this residuary item was introduced into the excise tariff in 1975, imported goods classified under this heading were exempt from the corresponding countervailing duty. As a measure of protection to indigenous goods it is proposed to withdraw this exemption. Imported goods falling into item 68 will thus be liable to a countervailing duty of 8 per cent *ad valorem*, based on the customs duty paid value, if this proposal becomes effective.

No further information is available.

Continued on page 121 after the Trade promotions guide.

Trade and Industry

BOTB

A **Trade and Industry** quarterly guide April 1979

UNICO

International Transport Group

1979
OVERSEAS EXHIBITIONS
SERVICES TO BRITISH INDUSTRY

- IMMEDIATE DOOR TO DOOR TRANSPORT
- CUSTOMS FORMALITIES
- AIRFREIGHTING
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ROTTERDAM 3033HA HOLLAND
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Telex: 26671 UNICO NL

trade promotions guide

A **Trade and Industry** quarterly guide. Published with the 20 April 1979 issue

Editorial
Trade and Industry, Eighth floor, 1 Victoria Street, London SW1H 0ET 01-215 5730

Advertising
Dudley Masters, 13 Great James Street, London WC1 01-242 9478

1 OVERSEAS FAIRS AND SYMPOSIA

where BOTB support is planned or under consideration
page 4

Further information about individual events can be obtained from the trade association or the BOTB contact (01-248 5757) whose name and telephone extension is given against the event. The cut-off date at the end of each entry indicates the closing date for applications for BOTB support.

2 STORE PROMOTIONS

where BOTB support is planned or under consideration
page 15

GENERAL INQUIRIES ON BOTB SUPPORT

Fairs and Promotions Branch, Department of Trade, Hillgate House, 26 Old Bailey, London EC4M 7HU, **01-248 5757**

Overseas trade fairs ext 7447

Store promotions ext 7090

British Export Marketing Centre, Tokyo, ext. 663 or 7317

Outward missions and symposia ext 7084

UK trade fairs ext 7109

Special Export Services Branch, Export Services and Promotions Division, Department of Trade, Export House, 50 Ludgate Hill, London EC4M 7HU, **01-248 5757**

Inward missions ext 463

3 MISSIONS

where BOTB support is planned or under consideration
page 16

Further information on individual outward missions can be obtained from the trade association or the BOTB Fairs and Promotions Branch contact named against the event. Information on inward missions can be obtained from S. H. Moger (01-248 5757 ext 463).
For outward missions the cut-off date at the end of each entry indicates the closing date for applications for BOTB support.

4 OTHER OVERSEAS FAIRS

This section covers overseas fairs not listed in section 1.
page 25

5 UK FAIRS

This section lists major fairs and exhibitions in the UK.
page 30

Cover based on an export display pack produced by Aldisplay Ltd, London SE1

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Agriculture, forestry, fishing, agricultural machinery 4, 26, 30
Aircraft and aeronautical equipment 4, 26
Books and periodicals 4, 26, 30
Building, public works and construction equipment 5, 26, 30
Chemicals and allied industries, including plastics 5, 26, 30
Clothing 5, 26, 30
Display and shop equipment 6, 30
Engineering, electrical and electronic, including radio and television 6, 26, 30
Engineering, other 7, 26, 30
Foodstuffs, food machinery, hotel and catering equipment 8, 27, 32
Footwear 8, 32
Furniture, furnishings, household equipment and hardware 8, 27, 32
Gas and oil extraction and distribution including offshore activities 9, 27, 32
Heating and ventilating 9, 27, 32
Horticulture and horticultural equipment 9, 27, 32
Hospital, medical, surgical and dental equipment 9, 27, 32
Jewellery and giftware 10, 27, 32
Leather, leather goods and fur 10, 27, 32
Motor vehicles, motor cycles and cycles 10, 27, 32
Music and musical instruments 12, 32
Office machinery and equipment 12, 28, 32
Packaging machinery and materials, including containers 12, 28, 32
Photographic equipment 12, 34
Pottery and glassware 12, 28
Printing, stationery and printing machinery 12, 28, 34
Scientific instruments and nuclear equipment 12, 28, 34
Ships and boats 13, 28, 34
Sports goods and camping equipment including caravans 13, 28, 34
Textiles and textiles machinery 13, 28, 34
Toys and games 13, 28, 34
Watches and clocks 13, 28, 34
Water, effluent and air treatment plant including anti-pollution, cleaning and refuse disposal equipment 13, 29, 34
Other specialised fairs 14, 29, 34

1

OVERSEAS FAIRS AND SYMPOSIA

where BOTB support is planned or under consideration

General fairs

1979

HANOVER: Hanover Fair. 18-26 April 1979. Official Information Office and joint ventures with:
Association of Hydraulic Equipment Manufacturers.
British Compressed Air Society.
Birmingham Chamber of Industry and Commerce 2 JV's.
Lighting Industries Federation.
Sira Institute.
British Electrical and Allied Manufacturers Association.
Electronics Components Centre.
Business Equipment Trades Association 2 JV's.
Birmingham Engineering and Building Centre.
Mrs C. Miller ext. 7203. Cut off date passed.

CASABLANCA: International Trade Fair. 26 April-13 May 1979. British Pavilion organised jointly with British Consulate General Casablanca. R. Impey ext. 602. Cut off date not applicable.

BUDAPEST: International Spring Fair. 23-31 May 1979. The Department of Trade will organise a British Pavilion at this event. H. M. Giles ext. 7213. Cut off date passed.

EAST BERLIN: British Technical Week. May 1979. Seminar/Symposium with London Chamber of Commerce. B. Rice ext. 7246. Cut off date not yet arranged.

LISBON: International Fair (FIL). 1-10 June 1979. Joint venture with Birmingham Engineering and Building Centre. Ms P. Norfield ext. 7092. Cut off date passed.

POZNAN: International Trade Fair. 10-19 June 1979. The Department of Trade will organise a British Pavilion at this event. B. Rice ext. 7246. Cut off date passed.

TEL AVIV: International Trade Fair (Capital Goods) (Technology '79). 19-26 June 1979. Joint ventures with:
The Machine Tool Trades Association.
Scientific Instrument Manufacturers Association.
P. Crowe ext. 571. Cut off date passed.

DAMASCUS: International Trade Fair. 4-23 July 1979. The Department of Trade will organise a British Pavilion. R. F. M. Impey ext. 602. Cut off date passed.

FRANKFURT: International Trade Fair (Autumn). 26-29 August 1979. Joint ventures with appropriate trade associations. J. Irving ext. 690. Cut off date not yet arranged.

PLOVDIV: International Trade Fair. 3-10 September 1979. The Department of Trade will organise a British Pavilion. H. Giles ext. 7213. Cut off date passed.

ALGIERS: International Trade Fair. 5-21 September 1979. The Department of Trade will organise a British Pavilion. R. F. M. Impey ext. 602. Cut off date passed.

NAIROBI: Nairobi International Show. 25-29 September 1979. Joint venture with Birmingham Chamber of Industry and Commerce. R. Impey ext. 602. Cut off date passed.

BAGHDAD: International Fair. 1-15 October 1979. The Department of Trade will organise a British Pavilion. G. M. Lydsell ext. 7314. Cut off date passed.

BUCHAREST: International Technical Exhibition (Technoexpo). October 1979. The Department of Trade will organise a British Pavilion. H. Giles ext. 7213. Cut off date passed.

NEW DELHI: Indian International Trade Fair. 10 November-9 December 1979. The Department of Trade may organise a British Pavilion. R. D. Chapman ext. 7097. Cut off date passed.

1980

VALENCIA: International Industrial Trade Fair. 1980. The Department of Trade may organise a British Pavilion at this event. Miss J. Robinson ext. 7204. Cut off date not yet arranged.

KHARTOUM: 3rd Sudan International Fair. January/February 1980. The Department of Trade may organise an information stand at this event. R. Impey ext. 602. Cut off date not applicable.

SYDNEY: Australia's International Consumer Goods Exhibition (Consumer '80). 11-16 February 1980. The Department of Trade will organise a British Pavilion. R. D. Chapman ext. 7097. Cut off date 23.4.79.

CAIRO: International Fair. March 1980. The Department of Trade may organise a British Pavilion. R. Impey ext. 602. Cut off date not yet arranged.

FRANKFURT: International Trade Fair (Spring). March 1980. Joint ventures with appropriate trade associations. J. Irving ext. 690. Cut off date not yet arranged.

LEIPZIG: International Spring Fair. March 1980. Joint ventures with appropriate trade associations. B. G. Rice ext. 7246. Cut off date not yet arranged.

HANOVER: Hanover Fair. April 1980. Official Information Office and joint ventures with appropriate trade associations. Mrs C. Miller ext. 7203. Cut off date 1.8.79.

BUDAPEST: International Spring Fair. May 1980. The Department of Trade may organise a British Pavilion. H. M. Giles ext. 7213. Cut off date not yet arranged.

LISBON: International Fair (FIL). June 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

POZNAN: International Trade Fair. June 1980. The Department of Trade may organise a British Pavilion. B. G. Rice ext. 7246. Cut off date not yet arranged.

FRANKFURT: International Trade Fair (Autumn). August 1980. Joint ventures with appropriate trade associations. J. Irving ext. 690. Cut off date not yet arranged.

LEIPZIG: International Autumn Fair. September 1980. Joint venture with appropriate trade association. B. G. Rice ext. 7246. Cut off date not yet arranged.

PLOVDIV: International Trade Fair. September 1980. The Department of Trade may organise a British Pavilion. H. M. Giles ext. 7213. Cut off date yet arranged.

BAGHDAD: International Fair. October 1980. The Department of Trade may organise a British Pavilion. G. M. Lyndsell ext. 7314. Cut off date not yet arranged.

BUCHAREST: International Trade Fair 'TIB '80'. October 1980 The Department of Trade may organise a British Pavilion. H. M. Giles ext. 7213. Cut off date not yet arranged.

DAKAR: 4th International Trade Fair. November 1980. Possible joint venture/British Pavilion. R. Impey ext. 602. Cut off date not yet arranged.

1981

HANOVER: Hanover Fair. April 1981. Official Information Office and joint ventures with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date 1.8.80.

Agriculture, forestry, fishing and agricultural machinery

1979

REGGIO EMILIA: Pig Fair. 28 April-1 May 1979. Joint venture with National Pig Breeders Association. P. Crowe ext. 571. Cut off date passed.

NOVI-SAD: International Agricultural Exhibition. 11-20 May 1979. Joint venture with British Agricultural Export Council. Miss H. Goldberg ext. 7205. Cut off date passed.

HANOVER: International Trade Fair for Machinery and Equipment for the Wood Industry (LIGNA). 23-29 May 1979. Joint venture with the Machine Tool Trades Association. H. M. Johnson ext. 7045. Cut off date passed.

HANOVER: International Exhibition of Poultry and Pig Production. 20-23 June 1979. Joint venture with British Agricultural Export Council. H. M. Johnson ext. 7045. Cut off date passed.

NAIROBI: Nairobi International Show. 25-29 September 1979. Joint venture with appropriate trade association. R. Impey ext 602. Cut off date passed.

SEATTLE: Commercial Fishing Exhibition. October 1979. Joint venture with Westminster Chamber of Commerce. Miss M. Thorogood ext. 7094. Cut off date 23.4.79.

1980

TORONTO: Canada Farm Show. January-February 1980. Joint venture with appropriate trade association. D. Malley ext. 265. Cut off date August 1979.

USA: California Farm Equipment Show. February 1980. Joint venture with appropriate trade association. R. D. Chapman ext. 7097. Cut off date not yet arranged.

PARIS: International Agricultural Machinery Exhibition (SIMA). March 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

PARIS: International Agricultural Exhibition. March 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

VERONA: International Agricultural Fair. March 1980. A Trade Information Stand may be organised. P. Crowe ext. 571. Cut off date 1.9.79.

REGGIO EMILIA: International Pig Fair. April/May 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date not yet arranged.

LJUBLJANA: International Timber Fair. June 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

1981

PARIS: International Agricultural Exhibition. March 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

Aircraft and aeronautical equipment

1979

PARIS: 33rd International Aeronautics and Space Exhibition. 9-17 June 1979. Joint venture with Society of British Aerospace Companies Ltd. Miss H. Goldberg ext. 7205. Cut off date passed.

NICE: International Airport Construction and Equipment Exhibition. 15-18 October 1979. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date 20.4.79.

TOKYO: Japan International Aerospace Show. 17-25 November 1979. Joint venture with Society of British Aerospace Companies. J. L. Ackroyd ext. 7317. Cut off date passed.

1980

SHANGHAI: British Aerospace Exhibition. March/April 1980. Joint venture with appropriate trade association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

Books and periodicals

1979

JERUSALEM: International Book Fair. 19-25 April 1979. Joint venture with the Book Development Council. P. Crowe ext. 571. Cut off date passed.

LOS ANGELES: Annual Convention and Exhibition of the American Booksellers Association. 26-29 May 1979. Joint venture with Book Development Council. Mrs J. Robinson ext. 7204. Cut off date passed.

WARSAW: International Book Fair. May 1979. Joint venture with Book Development Council. B. G. Rice ext. 7246. Cut off date passed.

HONOLULU: Special Libraries Association Congress. Conference: 9-14 June 1979. Exhibition: 10-13 June 1979. Joint venture with Association of Learned and Professional Society Publishers. Miss J. Robinson ext. 7204. Cut off date passed.

MOSCOW: International Book Fair. 4-10 September 1979. Joint venture with Book Development Council. H. Giles ext. 7213. Cut off date passed.

FRANKFURT: International Book Fair. 10-15 October 1979. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

1980

CAIRO: International Book Fair. January/February 1980. Joint venture with the Book Development Council. R. F. Impey ext. 602. Cut off date not yet arranged.

BOLOGNA: International Book Fair for Children and Youth. April 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 1.11.79.

WARSAW: International Book Fair. May 1980. Joint venture with appropriate trade association. B. G. Rice ext. 7246. Cut off date not yet arranged.

CHICAGO: Annual Convention and Exhibition of the American Booksellers Association. 7-11 June 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

USA: Special Libraries Association Congress. June 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

FRANKFURT: International Book Fair. 8-13 October 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

Building, public works and construction equipment

1979

HONG KONG: International Building Exhibition (IBEX '79). 9-12 May 1979. Joint venture with Building Centre Group. A. G. Campbell ext. 7011. Cut off date passed.

TOKYO: British Export Marketing Centre (Construction Equipment and Materials Exhibition). 29 May-2 June 1979. Sponsored by the Building Centre Group. Contact D. Clayton tel. 01-637 1022/1197. R. Grindley ext. 360. Cut off date passed.

SINGAPORE: 2nd International Construction Equipment and Public Works Exhibition (Conpex Asia '79). 25-29 June 1979. Joint venture with Birmingham Engineering and Building Centre. D. Chapman ext. 7097. Cut off date passed.

SINGAPORE: 2nd International Exhibition of Materials Handling and Construction Machinery (IMAC '79). 25-29 June 1979. Joint venture with Birmingham Engineering Building Centre. R. D. Chapman ext. 7097. Cut off date passed.

CAIRO: International Exhibition of Building and Construction Equipment and of Furniture and Woodworking Machinery (Interbequip). 11-20 October 1979. Joint venture with Building Materials Export Group. R. Impey ext. 602. Cut off date passed.

PARIS: International Building Exhibition (Batimat). 16-25 November 1979. Joint venture with Building Materials Export Group. F. Sullivan ext. 7211. Cut off date passed.

1980

JEDDA: Middle East Construction Exhibition and Conference. 20-26 January 1980. Joint ventures with:
Building Materials Export Group.
Federation of Manufacturers of Construction Equipment and Cranes.
British Furniture Manufacturers Federated Associations.
R. Impey ext. 602. Cut off date 31.5.79.

USA: National Association of Home Builders Exposition. January 1980. Joint venture with appropriate trade association. Miss J. Robinson ext. 7204. Cut off date not yet arranged.

BRUSSELS: International Building Materials Exhibition (Batibou) W. February 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

LAS VEGAS: World of Concrete Exposition. 2-6 March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

SINGAPORE: International Building Exhibition (SIBEX). 26-29 March 1980. Joint venture with Building Centre Group. R. D. Chapman ext. 7097. Cut off date not yet arranged.

MUNICH: International Construction Machinery Fair (BAUMA). 10-26 April 1980. Joint ventures with:
Federation of Manufacturers of Construction Equipment and Cranes.
British Internal Combustion Engine Manufacturers Association.
Miss J. D. Mooney ext. 7201. Cut off date 30.4.79.

HELSINKI: International Building Fair (Finnbuild '80). April 1980. Joint venture with appropriate trade association. Miss W. Titley ext. 7207. Cut off date not yet arranged.

TOKYO: Heatex/Buildex. September 1980. Joint venture with appropriate trade association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

BAHREIN: Arabbuild. 9-14 November 1980. Joint venture with appropriate trade association. G. M. Lyndsell ext. 7314. Cut off date not yet arranged.

1981

BILBAO: Exhibition (Ambiente '81). March 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Chemicals and allied industries, including plastics

1979

CHICAGO: National Plastics Exposition. 18-22 June 1979. Joint venture with Birmingham Chamber of Commerce. D. Malley ext. 265. Cut off date passed.

TORONTO: 11th International Congress of Biochemistry. 9-12 July 1979. Joint venture with British Laboratory Ware Association. Miss M. Thorogood ext. 7094. Cut off date passed.

DUSSELDORF: International Fair for the Plastics Industry (Kunstoffe). 10-17 October 1979. Joint venture with British Plastics Federation. Mrs C. Miller ext. 7203. Cut off date passed.

1980

MUNICH: International Exhibition and Congress for Bio-Chemical and Instrumental Analysis (Analytica). 28 April-2 May 1980. Joint venture with appropriate trade association. J. Irving ext. 690. Cut off date not yet arranged.

PHILADELPHIA: Chemical Plant Equipment Exposition. 5-8 May 1980. Joint venture with appropriate trade association. D. Malley ext. 265. Cut off date not yet arranged.

BRATISLAVA: International Chemical Exhibition (Incheba). June 1980. Joint venture with appropriate trade associations. B. G. Rice ext. 7246. Cut off date not yet arranged.

TORONTO: Plastics Show of Canada. 16-20 October 1980. Joint venture with appropriate trade association. R. D. Chapman ext. 7097. Cut off date not yet arranged.

TOKYO: International Plastics Fair. November 1980. Joint venture with appropriate trade association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

Clothing

1979

DUSSELDORF: International Fashion Trade Fair (Igedo). 22-26 April 1979. Joint venture with Clothing Export Council. Mrs C. Miller ext. 7203. Cut off date passed.

COLOGNE: International Men's Fashion Week. 24-26 August 1979. Joint venture with British Menswear Guild. H. M. Johnson ext. 7045. Cut off date not yet arranged.

PARIS: European Menswear Exhbition (SEHM). 8-11 September 1979. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: Children's Fashion Exhibition. 8-11 September 1979. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

DUSSELDORF: International Fashion Trade Fair (Igedo). 9-12 September 1979. Joint venture with Clothing Export Council. Mrs C. Miller ext. 7203. Cut off date 31.5.79.

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BMT

1 OVERSEAS FAIRS AND SYMPOSIA

where BOTB support is planned or under consideration

DUSSELDORF: International Fashion Trade Fair (Igedo Dessous). 9-12 September 1979. Joint venture with Clothing Export Council. Mrs C. Miller ext. 7203. Cut off date passed.

COPENHAGEN: International Fashion Fair. 13-16 September 1979. Joint venture with appropriate trade association. Miss W. Titley ext. 7207. Cut off date not yet arranged.

NEW YORK: European Fashion Fair. 23-26 September 1979. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

MILAN: Milanovendemoda Fashion Show. 28 September-2 October 1979. Joint venture with the Clothing Export Council. P. Crowe ext. 571. Cut off date 20.5.79.

COLOGNE: International Fair for the Child. 12-14 October 1979. Joint venture with City of Westminster Chamber of Commerce. Miss W. J. Titley ext. 7207. Cut off date 30.5.79.

PARIS: International Exhibition of Women's Ready to Wear Clothing. 13-17 October 1979. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

DUSSELDORF: International Fashion Trade Fair (Igedo). 27-31 October 1979. Joint venture with Clothing Export Council. Mrs C. Miller ext. 7200. Cut off date 31.5.79.

NEW YORK: National Association of Men's Sportswear Buyers Show (Namsb). 28-31 October 1979. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

NEW YORK: National Outerwear and Sportswear Association Supplies Exhibition (NOSA). October 1979. Joint venture with Leather Institute. Miss L. E. Novell ext. 318. Cut off date passed.

DUBAI: International Fair for Clothes, Textiles and Fashion Accessories (Motexha). 13-16 November 1979. Joint venture with Clothing Export Council. G. M. Lyndsell ext. 7314. Cut off date not yet arranged.

1980

TOKYO: British Export Marketing Centre Clothing Exhibition. 10-12 January 1980. Sponsored by appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

TOKYO: British Export Marketing Centre Clothing Exhibition. 17-19 January 1980. Sponsored by appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

PARIS: Knitting Industries Exhibition. February 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: European Menswear Exhibition (SEHM). February 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: Childrens Fashionwear Exhibition. February 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

DUSSELDORF: International Fashion Trade Fair (Igedo). 9-12 March 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

COPENHAGEN: 29th Scandinavian Fashion Week. 13-16 March 1980. Joint venture with appropriate trade association. Miss W. Titley ext. 7207. Cut off date not yet arranged.

NEW YORK: National Association of Men's Sportswear Buyers Show (Namsb). March 1980. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

NEW YORK: European Fashion Fair. March 1980. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

DUSSELDORF: International Fashion Fair (Igedo). 20-24 April 1980. Joint venture with Clothing Export Council. H. M. Johnson ext. 7045. Cut off date not yet arranged.

PARIS: International Exhibition of Womens Ready to Wear Clothing (Pret-a-Porter). April 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

DUSSELDORF: International Fashion Trade Fair (Igedo). 7-10 September 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

DUSSELDORF: International Fashion Trade Fair (Igedo Dessous). 7-10 September 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

COPENHAGEN: 30th Scandinavian Fashion Week. 11-14 September 1980. Joint venture with appropriate trade association. Miss W. Titley ext. 7207. Cut off date not yet arranged.

PARIS: Children's Fashion Exhibition. September 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: European Menswear Exhibition (SEHM). September 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

DUSSELDORF: International Fashion Trade Fair (Igedo). 26-30 October 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

PARIS: International Exhibition of Women's Ready to Wear Clothing (Pret-a-Porter). October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

1981

PARIS: Childrens Fashionwear Exhibition. February 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: European Menswear Exhibition (SEHM) Spring Edition. February 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: Knitting Industries Exhibition. February 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

DUSSELDORF: International Fashion Fair (Igedo). March 1981. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

Display and shop equipment

1979

PARIS: International Shop Fitting and Trade Equipment Exhibition (Equip-Mag). 25-29 October 1979. Joint venture with Shop and Display Equipment Association. Miss H. Goldberg ext. 7205. Cut off date passed.

Engineering, electrical and electronic, including radio and television

1979

CANNES: International Television Programme Market (Mip-Tv). 20-26 April 1979. Joint venture with Film Production Association of Great Britain. Miss H. Goldberg ext. 7205. Cut off date passed.

BAHRAIN: Middle East Electronic Communications Show and Conference (Mecom). 23-26 April 1979. British Group with Electronic Engineering Association. G. M. Lyndsell ext. 7314. Cut off date passed.

NEW YORK: Institute of Electrical and Electronic Engineering (Electro '79). 24-26 April 1979. Joint venture with Electronic Engineering Association. Miss M. Thorgood ext. 7094. Cut off date passed.

ATLANTA: National Microfilm Association Annual Convention and Exposition. 8-10 May 1979. Joint venture with Business Equipment Trade Association. I. Maclean ext. 7242. Cut off date passed.

BRUSSELS: Computer Peripheral, Small Computer and System Exhibition (Compec). 8-10 May 1979. Joint venture with London Chamber of Commerce. Miss H. Goldberg ext. 7205. Cut off date passed.

MONTREUX: International Television Symposium and Technical Exhibition. 27 May-1 June 1979. Joint venture with Electronic Engineering Association. Ms P. Norfield ext. 7092. Cut off date passed.

LOS ANGELES: Audio Engineering Society Convention. May 1979. Joint venture with the Association of Sound and Communication Engineers. I. MacLean ext. 7242. Cut off date passed.

CHICAGO: Consumer Electronics Show. 3-6 June 1979. Joint venture with Federation of British Audio. I. MacLean ext. 7242. Cut off date passed.

NEW YORK: National Computer Conference. 4-7 June 1979. Joint venture with Business Equipment Trade Association. I. MacLean ext. 7242. Cut off date passed.

BERLIN: International TV and Radio Exhibition. 24 August-2 September 1979. Joint venture with British Radio Equipment Manufacturers' Association. J. A. Irving ext. 690. Cut off date passed.

SAN FRANCISCO: Western Electronics Show (Wescon). 18-20 September 1979. Joint venture with Electronic Engineering Association. Miss M. Thorogood ext. 7094. Cut off date April 1979.

GENEVA: World Telecommunication Exhibition (Telecom). 20-26 September 1979. Joint venture with Electronic Engineering Association. Miss P. A. Norfield ext. 7092. Cut off date passed.

WIESBADEN: Military Electronics (Defence Equipment) Exhibition. 25-27 September 1979. Joint venture with the Electronic Engineers Association. Miss J. D. Mooney ext. 7201. Cut off date passed.

VIENNA: International Industrial Electronic Exhibition. 10-13 October 1979. Joint venture with the Scientific Instrument Manufacturers Association. P. Crowe ext. 571. Cut off date 30.4.79.

NEW YORK: Information Management Exposition (INFO '79). 15-18 October 1979. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

CHICAGO: Instrument Automation Conference (ISA). 22-25 October 1979. Joint venture with SIRA Institute. Miss M. Thorogood ext. 7094. Cut off date passed.

BUDAPEST: International Exhibition of Industrial Electronics and Instrument Production (Mipel). 23-28 October 1979. Joint venture with SIRA Institute. H. Giles ext. 7213. Cut off date passed.

MUNICH: Exhibition and Congress for Electronics Production (Productronica). 6-10 November 1979. Joint venture with SIRA Institute. J. Irving ext. 690. Cut off date passed.

SINGAPORE: British Electrical and Allied Manufacturers Association Seminar. 12-15 November 1979. Contact B. Masters tel. 01-437 0678. FPB contact P. Greig ext. 363. Cut off date passed.

NEW YORK: Audio Engineering Society Convention. November 1979. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

BUCHAREST: 'Systemtechnik '79'. 3-8 December 1979. Joint venture with British Electrical Manufacturers Assoc. H. Giles ext. 7213. Cut off date passed.

SINGAPORE: International Electronic Communication Show (Communicasia '79). 5-8 December 1979. Joint venture with Electronic Engineering Association. R. D. Chapman ext. 7097. Cut off date 1.5.79.

1980

TOKYO: Internepcon. 23-26 January 1980. Joint venture with Westminster Chamber of Commerce. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

PARIS: 15th International Lighting Exhibition. January 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date 1.6.79.

PARIS: Festival Du Son – Audio Exhibition. March 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

ZURICH: Semiconductor Equipment and Material Convention (Semicon – Europa). March 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

ANAHEIM: National Electronic Packaging and Production Conference and Exhibition (Nepcon West). March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date September 1979.

CANNES: International Television Programme Market (Mip-Tv). April 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

BOSTON: Institute of Electrical and Electronic Engineering (Electro '80). April 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date November 1979.

PARIS: Exhibition of Electronic Components. April 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

BRUSSELS: Computer Peripheral, Small Computer and System Exhibition. May 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

TOKYO: British Export Marketing Centre. Professional Recording Equipment, Photographic and Audio Visual Exhibition. June 1980. Sponsored by appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

ANAHEIM: National Computer Conference. June 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

CHICAGO: Summer Consumer Electronics Show. June 1980. Joint venture with appropriate trade association. I MacLean ext. 7242. Cut off date not yet arranged.

WIESBADEN: Military Electronic (Defence Equipment) Exhibition. October 1980. Joint venture with appropriate trade association. Mrs J. Collings ext. 7201. Cut off date not yet arranged.

TOKYO: Electronic Show. October 1980. Joint venture with Electronic Engineers Association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

NEW YORK: Society of Motion Pictures and TV Engineers Exhibition. October-November 1980. Joint venture with appropriate trade association. I MacLean ext. 7242. Cut off date not yet arranged.

MUNICH: International Trade Fair for Production in the Electronic Industry (Electronica). November 1980. Joint venture with appropriate trade association. J. Irving ext. 690. Cut off date not yet arranged.

1981

PARIS: Festival Du Son. March 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

ZURICH: Semiconductor Equipment and Material Convention (Semicon Europa). March 1981. Joint venture with appropriate trade association. Ms P. A. Northfield ext. 7092. Cut off date not yet arranged.

PARIS: Exhibition of Electronic Components. April 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

Engineering, other

1979

TORONTO: National Industrial Production Show. 7-11 May 1979. Joint venture with Birmingham Chamber of Commerce and Industry. Miss M. Thorogood ext. 7094. Cut off date passed.

SEOUL: British Machine Tool Exhibition. 21-26 May 1979. Sponsor: Machine Tool Trades Association. Contact: D. Bromige (01-402 6671). R. Grindley ext. 360. Cut off date passed.

SEOUL: British Machine Tool Seminar. 21-26 May 1979. Sponsor: Machine Tool Trades Association. Contact: D. Bromige (01-402 6671). R. Grindley ext. 360. Cut off date passed.

HANOVER: International Trade Fair for Machinery and Equipment for the Wood Industry (Ligna). 23-29 May 1979. Joint venture with Machine Tool Trades Association. H. M. Johnson ext. 7045. Cut off date passed.

DUSSELDORF: International Foundry Trade Fair (GIFA). 9-15 June 1979. Joint venture with Foundry Equipment and Supplies Association Ltd. Mrs C. Miller ext. 7203. Cut off date passed.

DUSSELDORF: 3rd International Trade Exhibition for Industrial Furnaces and Thermic Production Processes (Thermprocess '79). 9-22 June 1979. Joint venture with Birmingham Chamber of Commerce and Industry. Mrs C. Miller ext. 7203. Cut off date passed.

DUSSELDORF: International Trade Fair for Metalurgical Technology and Equipment (Metec). 16-22 June 1979. Joint venture with the Birmingham Chamber of Commerce and Industry. Mrs C. Miller ext. 7203. Cut off date passed.

FRANKFURT: Chemical Engineering, Exhibition and Congress (Achema). 17-23 June 1979. Joint ventures with:
Process Plant Association.
British Laboratory Ware Association.
Scientific Instrument Manufacturers Association.
Miss J. D. Mooney ext. 7201. Cut off date passed.

MELBOURNE: International Engineering Exhibition. 23-28 July 1979. The Department of Trade will organise a British pavilion at this event. R. D. Chapman ext. 7097. Cut off date passed.

SEOUL: International Shipbuilding, Shiprepairing, Ports and Harbours Exhibition. 28 July-4 August 1980. Joint venture with appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

BRNO: International Engineering Fair. September 1979. Joint ventures with appropriate trade associations. B. G. Rice ext. 7246. Cut off date passed.

MILAN: 3rd International Machine Tool Exhibition (EMO). 10-18 October 1979. Joint venture with Machine Tool Trades Association. P. Crowe ext. 571. Cut off date passed.

SINGAPORE: The 2nd South East Asian Production Machinery and Engineering Equipment Show (Machine Asia '79). 15-19 October 1979. The Department of Trade will organise a British pavilion. R. D. Chapman ext. 7097. Cut off date passed.

STOCKHOLM: International Technical Fair. 18-24 October 1979. Joint venture with Engineering Industries Association. Miss W. J. Titley ext. 7207. Cut off date passed.

BAHRAIN: Middle East Materials Handling Show and Conference. 22-25 October 1979. Joint venture with Birmingham Engineering and Building Centre. G. M. Lyndsell ext. 7314. Cut off date passed.

ZURICH: 9th International Hydraulics and Pneumatic Exhibition. 29 October-3 November 1979. Joint venture with British Compressed Air Society. Ms P. A. Norfield ext. 7092. Cut off date passed.

UTRECHT: International Mechanical Handling Exhibition (Invia). 8-15 November 1979. Joint venture with London Chamber of Commerce and Industry. P. Crowe ext. 571. Cut off date passed.

CHICAGO: Triple Engineering Show. 13-15 November 1979. Joint venture with Association of Hydraulic Equipment Manufacturers. Miss M. Thorogood ext. 7094. Cut off date 6.7.79.

OSLO: Materials Handling, Storage and Packaging. 20-24 November 1979. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

PARIS: 7th International Hydraulics and Compressed Air Exhibition (Mecanelem). 3-8 December 1979. Joint venture with Association of Hydraulic Equipment Manufacturers. Miss H. Goldberg ext. 7205. Cut off date passed.

1980

BAHRAIN: Middle East Machinery, Light Industry and Maintenance Show. 17-21 February 1980. Joint venture with Birmingham Chamber of Industry and Commerce. G. M. Lyndsell ext. 7314. Cut off date 6 July 1979.

ZURICH: International Trade Fair for High Precision Techniques Dimensional Measurement and Control (Microtechnic). February 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

GOTHENBURG: Machine Tools Exhibition (ISM '80). 20-25 March 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

MILAN: International Exhibition of Hydraulic, Pneumatic and Lubricating Apparatus (Fluid). March 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut of date 31.8.79.

How the British Overseas Trade Board can help you promote your goods overseas

Under the direction of the British Overseas Trade Board's Export Services and Promotions Division, the Department of Trade *supports British firms at trade promotions* overseas through its Fairs and Promotions *Branch.*

In 1978, the British Overseas Trade Board supported some 7700 firms exhibiting at 318 trade fairs in 71 countries, and 12 store promotions. In 1978, 252 outward missions were supported and some 3200 firms were helped in that way.

Joint ventures

Under its joint venture scheme the BOTB provides space and a shell stand for each firm taking part in a group display sponsored by a trade association or other non profit-making body at an overseas trade fair. In addition, for joint ventures held outside western Europe, the BOTB pays half the return tourist air fares of two representatives from each firm manning their stand for the duration of the event and half the freight charges for returning unsold goods exhibited at the event. Firms taking part in a joint venture display will be charged £15 per sq m of space and shell stand occupied. FOR JOINT VENTURES TAKING PLACE AFTER 1 APRIL 1979, THE CHARGE WILL BE £18 PER SQ METRE. A discount of 50 per cent on these rates will be available to firms for their first two participations at a particular joint venture.

British pavilions

At some overseas trade fairs, usually those where participation is organised on a national basis, the BOTB organises British pavilions. Space and shell stands are provided to participating firms at attractive rates. Firms taking space in a British pavilion, provided the event is held outside western Europe, are also eligible for assistance similar to that given under the joint venture scheme towards the costs of representatives' travel and of returning unsold exhibits.

Symposia

In certain circumstances British firms taking part in symposia organised in association with a trade association may be given support.

Information stands

At the more important trade fairs, especially in western Europe, the BOTB provides an official information stand staffed by diplomatic service commercial officers. Apart from dealing with commercial inquiries, these Information Stands serve as a focal point for British firms exhibiting at the event either directly or through local agents.

British Export Marketing Centre, Tokyo.

See also page 14

Up to 10 official export promotions and trade exhibitions will be held each year in the British Export Marketing Centre in Tokyo. These will be arranged in conjunction with a trade association. In addition the centre is available to British companies or their agents in Japan for mounting individual product exhibitions or promotions.

Store promotions

Promotions of British goods involving a substantial volume of new buying are put on by overseas department stores. The BOTB assists the store by providing an agreed contribution towards the store's promotional expenses.

Outward missions

Trade missions to overseas markets are sponsored by a trade association, chamber of commerce or similar non profit-making body. Their purpose is to assess the prospects for British exports in selected markets or to sell or to promote the sale of British products. For approved outward missions the BOTB contributes towards the costs of each participant according to a fixed scale.

Inward missions

The BOTB through the Special Export Services Branch offers financial assistance to trade associations and other non profit-making bodies sponsoring visits to Britain by groups of overseas businessmen wishing to purchase British products or assess the latest developments in British industry.

1 OVERSEAS FAIRS AND SYMPOSIA
where BOTB support is planned or under consideration

LOS ANGELES: Western Metal and Tool Exposition (Westec). March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

CHICAGO: Design Engineering Show. April/May 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

CHICAGO: Plant Engineering and Maintenance Show. April/May 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

BRUSSELS: International Industrial Equipment Exhibition. May 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

SEOUL: British Industrial Exhibition for the Metalworking and Allied Industries (Britmet '80). 2-9 June 1980. All British Fair organised by Industrial and Trade Fairs International Ltd. R. Grindley ext. 360. Cut off date not yet arranged.

TOKYO: International Mechanical Handling Show. June 1980. Joint venture with appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

LJUBLJANA: International Timber Fair. June 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

BASLE: International Wire Exhibition. June 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

GOTHENBURG: Scanautomatik – Hydraulics, Pneumatics and Automation Trade Fair. 2-6 September 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

BRNO: International Engineering Fair. 10-18 September 1980. Joint ventures with appropriate trade associations B. G. Rice ext. 7246. Cut off date not yet arranged.

BASLE: 'Eurotunnel'. 16-20 September 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

HAMBURG: Ship and Machinery Exhibition. September 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

STOCKHOLM: International Technical Fair. 16-22 October 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

TOKYO: International Chemical Plant Engineering Exhibition. October 1980. Joint venture with Cbmpe. J. Ackroyd ext. 7317. Cut off date not yet arranged.

FRANKFURT: International Dairy Engineering Exhibition. October 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

Foodstuffs, food machinery, hotel and catering equipment

1979

COPENHAGEN: International Food Fair. 22-27 May 1979. Joint venture with British Export Council. Miss W. J. Titley ext. 7207. Cut off date passed.

ATLANTA: National Fancy Food and Confection Show. 3-6 June 1979. Joint venture with British Food Export Council. Mrs J. Robinson ext. 7204. Cut off date passed.

COLOGNE: International Fine Food and Provisions Exhibition (Anuga) 8-13 September 1979. Joint venture with British Food Export Council. H. M. Johnson ext. 7045. Cut off date passed.

MALMO: 9th International Hotel and Restaurant Show (Resta IX). 9-12 October 1979. Joint venture with London Chamber of Commerce. Miss W. J. Titley ext. 7207. Cut off date passed.

DUBLIN: International Food and Drink Exhibition – 'Ifdex'. 15-19 October 1979. Joint venture with British Food Export Council. Ms P. A. Norfield ext. 7092. Cut off date passed.

BASLE: International Hotel and Catering Exhibition (Igeho). 21-27 November 1979. Joint venture with London Chamber of Commerce and Industry. Ms P. A. Norfield ext. 7092. Cut off date passed.

BARCELONA: Hotel Management Maintenance Equipment and Gastronomy Exhibition (Hogarotel). November/December 1979. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

1980

AMSTERDAM: International Hotel, Cafe and Restaurant Exhibition (Horecava). January 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

BRNO: International Food Salon (Salima). 20-27 February 1980. Joint venture with appropriate trade association. B. G. Rice ext. 7246. Cut off date not yet arranged.

COLOGNE: International Sweets and Biscuits Fair (ISM). February 1980. Joint venture with British Food Export Council. H. M. Johnson ext. 7045. Cut off date not yet arranged.

UTRECHT: International Food Fair. February 1980 Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 15.10.79.

RIMINI: International Hotel, Food and Equipment Fair. February 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut of date 1.9.79.

JAPAN: 1st Japan International Food Engineering Show. 27 March-2 April 1980. Joint venture with appropriate trade association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

TOKYO: Hoteres and Foodex Exhibition. March 1980. Joint venture with British Food Export Council. J. Ackroyd ext. 7317. Cut off date not yet arranged.

SINGAPORE: International Exhibition of Food, Drink, Processing, Catering and Hotel Equipment (Food Asia). 15-18 April 1980. Joint ventures with:
British Food Export Council.
London Chamber of Commerce.
R. D. Chapman ext. 7097. Cut off date September 1979.

CHICAGO: National Restaurant Hotel Motel Exhibition. May 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

FRANKFURT: International Meat Trade Fair (IFFA). 1-8 June 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

DUSSELDORF: International Bakery Exhibition (IBA). 7-15 June 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

GENEVA: International Microcomputers and Microprocessors Exhibition. June 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

USA: National Fancy Food and Confection Show. June 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

GOTHENBURG: Hotel and Restaurant Exhibition (Interfood – Interest '80). October 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

FRANKFURT: International Dairy Engineering Exhibition. October 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

PARIS: International Hotel and Catering Exhibition. October 1980. Joint venture with appropriate trade association F. Sullivan ext. 7211. Cut off date not yet arranged.

VALENCIA: International Food Fair. October/November 1980. British pavilion. Miss J. Robinson ext. 7204. Cut off date not yet arranged.

PARIS: International Food Exhibition (SIAL). November 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

1981

AMSTERDAM: International Hotel, Cafe and Restaurant Exhibition (Horecava). January 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Footwear

1979

DUSSELDORF: European Footwear Samples Display (GDS). 22-24 September 1979. Joint venture with appropriate trade association. H. M. Johnson ext. 7045. Cut off date 27.4.79.

MILAN: International Footwear and Leather Show (MICAM). 22-24 September 1979. Joint venture with British Footwear Manufacturers Association. P. Crowe ext. 571. Cut off date passed.

ATLANTIC CITY: Footwear Manufacturing Conference. 20-23 October 1979. Joint venture with Shoe and Allied Trades Research Association. Miss M. Thorogood ext. 7094. Cut off date passed.

1980

NEW YORK: National Shoe Fair. February 1980. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

BOLOGNA: International Shoe and Leather Fair. March 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 31.8.79.

DUSSELDORF: European Samples Display (GDS). March 1980. Joint venture with appropriate trade association. H. M. Johnson ext. 7045. Cut off date not yet arranged.

VIENNA: Shoe Fair (OSMU). September 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 15.5.80.

MILAN: International Footwear Exhibition (MICAM). September 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 31.3.80.

Furniture, furnishings, household equipment and hardware

1979

HIGH POINT, NORTH CAROLINA, High Point Southern Furniture Exhibition. 19-27 April 1979. Joint venture with British Furniture Manufacturers Federated Associations. Miss L. E. Novell ext. 318. Cut off date passed.

COPENHAGEN: Scandinavian Furniture Fair. 2-6 May 1979. Joint venture with British Furniture Manufacturers Federated Association. Miss W. J. Titley ext. 7207. Cut off date passed.

TOKYO: British Export Marketing Centre. (Furniture Exhibition). 15-19 May 1979. Sponsored by British Furniture Manufacturers Exports Ltd.
Contact John Diab tel. 01-724 0857/8.
R. Grindley ext. 360. Cut off date passed.

COLOGNE: International Accessory, Machinery and Materials Fair for Furniture Production, Interior Decoration and Furnishing (Interzum). 19-22 May 1979. Joint venture with Birmingham Chamber of Industry and Commerce. H. M. Johnson ext. 7045. Cut off date passed.

PARIS: Exhibition of Interior Furnishings (Paritex). 7-11 June 1979. Joint venture with Wall Covering Manufacturers. F. Sullivan ext. 7211. Cut off date passed.

PARIS: International Carpet and Floor Coverings Exhibition. 7-11 June 1979. Joint venture with British Carpet Manufacturers Association. Miss H. Goldberg ext. 7205. Cut off date passed.

CHICAGO: National Exposition of Contract Interior Furnishings (Neocon). 11-15 June 1979. Joint venture with British Carpet Manufacturers Association. Miss L. E. Novell ext. 318. Cut off date passed.

CHICAGO: National Hardware Show. 13-16 August 1979. Joint ventures with:
Hardware Manufacturers Association.
Federation of British Hand Tool Manufacturers.
Mrs J. Robinson ext. 7204. Cut off date passed.

TOKYO: British Export Marketing Centre. (Housewares/Giftwares Exhibition). 4-8 September 1979. Sponsored by the Hardware Manufacturers Association.
Contact Richard Grier tel. 02403-21431.
J. L. Ackroyd ext. 7317. Cut off date passed.

AUCKLAND: 2nd New Zealand Hardware Show. 7-10 September 1979. Display of British Products through local agents on information stand. R. D. Chapman ext. 7204. Cut off date not yet applicable.

LYONS: International Furniture Exhibition (Meuropam). 6-9 October 1979. Joint venture with British Furniture Manufacturers Federated Associations. Miss H. Goldberg ext. 7205. Cut off date passed.

HIGH POINT, NORTH CAROLINA: High Point Southern Furniture Exhibition. October 1979. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

VALENCIA: International Furniture Fair. October 1979. Joint venture with appropriate trade association. Ms. P. A. Norfield ext. 7092. Cut off date not yet arranged.

BASLE: International Hotel and Catering Exhibition (Igeho). 21-27 November 1979. Joint venture with London Chamber of Commerce and Industry. Ms P. A. Norfield ext. 7092. Cut off date passed.

TORONTO: International Interior Design Show. November 1979. Joint venture with appropriate trade association. Miss L. E. Novell ext. 7204. Cut off date not yet arranged.

BRUSSELS: International Furniture Show. November 1979. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

1980

FRANKFURT: International Trade Fair for Home Furnishing Textiles (Heimtextil). 9-13 January 1980. Joint ventures with appropriate trade associations. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

COLOGNE: International Furniture Fair. 15-20 January 1980. Joint venture with British Furniture Manufacturers Federated Associations. H. M. Johnson ext. 7045. Cut off date passed.

CHICAGO: National Housewares Show. January 1980. Joint venture with appropriate trade association. Miss J. Robinson ext. 7204. Cut off date not yet arranged.

CHICAGO: National Housewares Show. January 1980. Joint venture with appropriate trade association. Mrs J. Robinson Novell ext. 318. Cut off date not yet arranged.

COLOGNE: International Trade Fair for Large Household Apparatus and Electrical Appliance (Domotechnica). February 1980. Joint venture with appropriate trade association. H. M. Johnson ext. 7045. Cut off date not yet arranged.

COLOGNE: International Houseware Fair. February 1980. Joint venture with appropriate trade association. H. M. Johnson ext. 7045. Cut off date not yet arranged.

TORONTO: Canadian Hardware Show. February 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

TOKYO: British Export Marketing Centre Carpet Sample Show. 25-29 March 1980. Sponsored by appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

CHICAGO: National Home Centre/Home Improvement Congress and Exposition. March 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

HIGH POINT, NORTH CAROLINA: Southern Furniture Exhibition. April 1980. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

COPENHAGEN: Scandinavian Furniture Fair. 7-11 May 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

MILAN: Carpets and Furnishing Textiles Fair (STAR). May 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 30.11.79.

PARIS: Exhibition of Interior Furnishing (Paritex). June 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: International Carpet and Floor Covering Exhibition. June 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

CHICAGO: National Exposition of Contract Interior Furnishings (Neocon). June 1980. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

CHICAGO: National Housewares Show. July 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext 7204. Cut off date not yet arranged.

CHICAGO: National Hardware Show. August 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

BASLE: International Hardware Fair (Interferex). September 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

MILAN: International Furniture Fair. September 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 20.4.79.

LYONS: International Furniture Exhibition (Meuropan). October 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

BRUSSELS: International Furniture Show. November 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

TORONTO: International Interior Design Show. November 1980. Joint venture with appropriate trade association. Miss J. Robinson ext. 7204. Cut off date not yet arranged.

1981

FRANKFURT: International Trade Fair for Home Furnishing Textiles (Heimtextil). January 1981. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

Gas and oil extraction and distribution including offshore activities

1979

HOUSTON: 11th Annual Offshore Technology Conference. 30 April-3 May 1979. Joint venture with Association of British Oceanic Industries. D. Malley ext. 265. Cut off date passed.

TORONTO: 14th World Gas Conference. 27 May-1 June 1979. Joint venture with Society of British Gas Industries. D. Malley ext. 265. Cut off date passed.

PEKING: British Energy Exhibition. 6-16 June 1979. J. Ackroyd ext. 7317. Cut off date passed.

MOSCOW: Association of British Oceanic Industries. 16-20 July 1979. Offshore Seminar and Catalogue Display/Workshop. S. Mummery ext. 576. Cut off date passed.

HOUSTON: Gastech LNG/LPG Conference and Exhibition. 13-16 November 1979. Joint venture with CBMPE. D. Malley ext. 265. Cut off date 23.4.79.

1980

SINGAPORE: Offshore South East Asia Conference and Exhibition. 26-29 February 1980. Joint venture with CBMPE. R. D. Chapman ext. 7097. Cut off date passed.

HOUSTON: 12th Annual Offshore Technology Conference. 5-8 May 1980. Joint venture with appropriate trade association. R. D. Chapman ext. 7097. Cut off date October 1979.

AMSTERDAM: European Exhibition for Petroleum Technology (Petrotech). May 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

DUBAI: Middle East Gas and Petroleum Technology Exhibition. September 1980. Joint venture with appropriate trade association. G. M. Lyndsell ext. 7314. Cut off date not yet arranged.

STRAVANGER: Offshore North Sea Technology Conference and Exhibition (ONS '80). September 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

Heating and ventilating

1979

PARIS: 6th International Heating, Refrigeration and Air Conditioning Exhibition (Interclima) and 2nd European Exhibition for Refrigeration, Air Conditioning, Air Handling and Drying (Expoclima). 16-21 November 1979. Joint venture with Heating, Ventilating and Air Conditioning Manufacturers Association. Miss H. Goldberg ext. 7205. Cut off date passed.

1980

UTRECHT: International Heating and Ventilating Exhibition. March 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 9.8.79.

Horticulture and horticultural equipment

1979

COLOGNE: International Garden Trade Fair. September 1979. Joint venture with Gardenex 4. H. M. Johnson ext. 7045. Cut off date passed.

Hospital, medical, surgical and dental equipment

1979

MUNICH: German Surgical Society Congress and Exhibition (Chirurgie). 25-28 April 1979. Joint venture with British Surgical Export Group. J. A. Irving ext. 690. Cut off date passed.

ZAGREB: Medicine and Medical Aids Exhibition. 14-20 May 1979. Joint venture with British Surgical Export Group. Miss H. Goldberg ext. 7205. Cut off date passed.

DUSSELDORF: International Hospital Exhibition (Interhospital '79). 15-18 May 1979. Joint venture with British Health-Care Export Council. H. M. Johnson ext. 7045. Cut off date passed.

KARLSRUHE: Trade Fair for Opticians (Optica). 19-22 May 1979. Joint venture with London Chamber of Commerce and Industry. J. A. Irving ext. 690. Cut off date passed.

CAIRO: International Exhibition of Hospital Equipment. 19-28 May 1979. Joint venture with British Health-Care Export Council. R. F. M. Impey ext. 602. Cut off date passed.

PARIS: 18th Congress of the International Society of Urology. 24-29 June 1979. Joint venture with British Health-Care Export Council. F. Sullivan ext. 7211. Cut off date passed.

Technical, Chemical, Electronics, Engineering, Medical, Legal and Commercial Translations

- FRENCH
- GERMAN
- SPANISH
- ITALIAN
- PORTUGUESE
- JAPANESE
- GREEK
- ARABIC
- RUSSIAN
- DUTCH
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etc., etc.

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TECHNICAL SPECIFICATIONS
INSTRUCTION MANUALS
LEGAL DOCUMENTS
CORRESPONDENCE · PATENTS, ETC.

1 OVERSEAS FAIRS AND SYMPOSIA
where BOTB support is planned or under consideration

TEL AVIV: International Hospital Equipment Exhibition (Expomedical). 15-19 October 1979. Joint venture with British Health-Care Export Council. P. Crowe ext. 571. Cut off date 20.4.79.

TOKYO: 9th World Congress of Obstetrics and Gynaecology. 26-30 October 1979. Joint venture with British Health-Care Export Council. R. Grindley ext. 360. Cut off date passed.

USA: American Society of Anaesthesiologists. October 1979. Joint venture with British Health-Care Export Council. Miss M. Thorogood ext. 7094. Cut off date 28.5.79.

BRUSSELS: 10th International Exhibition of Medical and Hospital Equipment. October 1979. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

HONG KONG: British Medical Association Exhibition. 2-5 November 1979. Joint venture with British Health-Care Export Council. A. G. Campbell. Cut off date passed.

1980

TOKYO: British Export Marketing Centre Medical Exhibition. 31 January-3 February 1980. Sponsor not yet known. J. L. Ackroyd ext. 7317 Cut off date not yet arranged.

PARIS: National Exhibition of Hospital Equipment. January 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

USA: Optical Fair. March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

USA: 27th Congress of the Association of Operating Room Nurses. March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

POZNAN: International Trade Fair for Medical Equipment (Salmed). April 1980. Joint venture with appropriate trade association. B. G. Rice ext. 7246. Cut off date not yet arranged.

PARIS: International Exhibition of Optical Goods and Materials. May 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

WINNIPEG: World Congress on Rehabilitation. June 1980. Joint venture with British Health-Care Export Council. Miss M. Thorogood ext. 7094. Cut off date 31.8.79.

ABIDJAN: West Africa Health-Care Exhibition. 16-19 September 1980. Joint venture with British Health-Care Export Council. R. Impey ext. 602. Cut off date not yet arranged.

ZURICH: International Trade Fair for Hospital and Medical Equipment (IFAS). October 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

STOCKHOLM: Hospital/Medicine '80. December 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

Jewellery and giftware

1979

BASLE: Swiss Industries Fair (7th European Watch, Clock and Jewellery Fair). 21 April-1 May 1979. Joint ventures with:
Export Council for the British Jewellery and Giftware Federation.
British Clock and Watch Manufacturers Association.
Ms P. A. Norfield ext. 7092. Cut off date passed.

NEW YORK: International Jewellery Trade Show. 28 July-1 August 1979. Joint venture with Export Council for the Jewellery and Giftware Federation. Mrs J. Robinson ext. 7204. Cut off date passed.

CHICAGO: Gift Show. 29 July -3 August 1979. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

CHICAGO: RJA International Jewellery Trade Show and Conference. 11-13 August 1979. Joint venture with Export Council for the British Jewellery and Giftware Federation. Mrs J. Robinson ext. 7204. Cut off date passed.

NEW YORK: Gift Show. 12-17 August 1979. Joint venture with Westminster Chamber of Commerce. Mrs J. Robinson ext. 7204. Cut off date 23.4.79.

LOS ANGELES: 22nd Pacific Jewellery Show. 18-20 August 1979. Joint venture with British Jewellery and Giftware Federation. Miss J. Robinson ext. 7204. Cut off date passed.

TOKYO: British Export Marketing Centre. (Housewares/Giftware Exhibition). 4-8 September 1979. Sponsored by the Hardware Manufacturers Association.
Contact Richard Grier tel. 02403-21431.
J. L. Ackroyd ext. 7317. Cut off date passed.

PARIS: 67th Jewellery, Silverware, Clocks, Watches and Gifts Exhibitions (Bijorhca). 6-11 September 1979. Joint venture with Export Council for the British Jewellery and Giftware Federation. Miss M. Goldberg ext. 7205. Cut off date passed.

1980

PARIS: Jewellery, Silverware, Clocks, Watches and Gifts Exhibition (Bijorhca). January 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

NEW YORK: International Jewellery Trade Fair. February 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

NEW YORK: Gift Show. February 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

CHICAGO: Gift Show. February 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

PARIS: Business Gifts Fair. April 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

BASLE: Swiss Industries Fair (8th European Watch, Clock and Jewellery Fair). April 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

NEW YORK: International Jewellery Trade Show. July 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

CHICAGO: Gift Show. July/August 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

CHICAGO: RJA International Jewellery Trade Show. August 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

LOS ANGELES: Pacific Jewellery Show. August 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext 7204. Cut off date not yet arranged.

NEW YORK: Gift Show. August 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

PARIS: Jewellery, Silverware, Clocks, Watches and Gifts Exhibition (Bijorcha). September 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

1981

PARIS: Jewellery, Silverware, Clocks, Watches and Gifts Exhibition. January 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

PARIS: Business Gifts Fair. April 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

BASLE: Swiss Industries Fair (8th European Watch, Clock and Jewellery Fair). April 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Leather, leather goods and fur

1979

PIRMASENS: International Fair for Footwear Manufacture (IMS). 4-8 May 1979. Joint ventures with:
British Leather Federation.
Shoe and Allied Trades Research Association.
Miss J. D. Mooney ext. 7201. Cut off date passed.

NEW YORK: International Leather Goods Show. 22-24 May 1979. Joint venture with British Jewellery and Giftware Association. Mrs J. Robinson ext. 7204. Cut off date passed.

MILAN: International Footwear and Leather Show (Micam). 1-4 September 1979. Joint venture with British Footwear Manufacturers Association. P. Crowe ext. 571. Cut off date passed.

PARIS: International Leather Week. 8-11 September 1979. Joint venture with:
British Leather Federation.
Skin, Hide and Leather Traders Association.
Miss H. Goldberg ext. 7205. Cut off date passed.

1980

BOLOGNA: International Shoe and Leather Fair. March 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 31.8.79.

PARIS: International Leather Week. September 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

Motor vehicles, motor cycles and cycles

1979

GENEVA: International Exhibition for the Vehicle Industry (Sitev). 15-18 May 1979. Joint venture with Society of Motor Manufacturers and Traders. Ms P. A. Norfield ext. 7092. Cut off date passed.

LOS ANGELES: Imported Automobile Show. May 1979. Joint venture with Society of Motor Manufacturers and Traders. I. MacLean ext. 7242. Cut off date passed.

FRANKFURT: International Motor Show. 13-23 September 1979. Joint venture with Society of Motor Manufacturers and Traders. J. Irving ext. 690. Cut off date passed.

MILWAUKEE: Off-Highway Vehicle Equipment Exhibition. September 1979. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

CHICAGO: Automotive Parts and Accessories Association Show (APAA). October 1979. Joint venture with appropriate trade association. I MacLean ext. 7242. Cut off date not yet arranged.

PARIS: International Motor Accessories. October 1979. Joint venture with Society of Motor Manufacturers and Taders. F. Sullivan ext. 7211. Cut off date passed.

TOKYO: Motor Show. 1-12 November 1979. Joint venture with Society of Motor Manufacturers and Traders. J. L. Ackroyd ext. 7317. Cut off date passed.

MILAN: International Cycle and Motor Cycle Exhibition. November 1979. Joint venture with CMCA Service Company Ltd. P. Crowe ext. 571. Cut off date passed.

1980

SALZBURG: International Trade Exhibition for Spares, Accessories, Tools, Workshop and Service Station Equipment (Autozum). January 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 19.7.79.

MONTREAL: International Auto Salon. January 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

NEW YORK: International Cycle Show. February 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

CHICAGO: Automobile Show. February 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

DETROIT: Society of Automotive Engineers Expo and Congress. February/March 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

MALMO: Motor Show. 1-9 March 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

NEW YORK: Auto Expo. March/April 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

TOKYO: British Export Marketing Centre Automotive Components Exhibition. April 1980. Sponsor Society of Motor Manufacturers and Traders. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

TURIN: International Motor Show. April/May 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 18.10.79.

ST LOUIS: International Electric Vehicle Exposition. 20-22 May 1980. Joint venture with appropriate trade association. R. D. Chapman ext. 7097. Cut off date not yet arranged.

GENEVA: International Exhibition for the Vehicle Industry (Sitev). May 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

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1 OVERSEAS FAIRS AND SYMPOSIA
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MILWAUKEE: Off-Highway Vehicle Equipment Exhibition. September 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242 Cut off date not yet arranged.

COLOGNE: International Bicycle and Motor Cycle Exhibition (IFMA). September 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

FRANKFURT: International Exhibition of Automobile Workshop and Garage Equipment (Automechanika). September 1980. Joint venture with appropriate trade association. J. Irving ext. 690. Cut off date not yet arranged.

PARIS: International Motor Exhibition. October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

LAS VEGAS: International Motorcycle After Market Exposition. October 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

CHICAGO: Automotive Parts and Accessories Association Show. November 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

1981

AMSTERDAM: International Trade Fair for Garage Equipment and Motor Car Parts (Autovak). March 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Music and musical instruments

1979

ATLANTA: National Association of Music Merchants Show. 9-12 June 1979. Joint venture with Association of Musical Instruments Industries. I. MacLean ext. 7242. Cut off date passed.

1980

CANNES: 14th International Record and Music Publishing Market (Midem). 18-24 January 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date 28.9.79.

CHICAGO: National Association of Music Merchants Show. June 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

Office machinery and equipment

1979

MUNICH: International Congress and Exhibition for Computer Systems and their Application (Systems). 17-21 September 1979. Joint venture with Business Equipment Trade Association. J. Irving ext. 690. Cut off date passed.

PARIS: 30th International Business Machines and Office Equipment (Sicob). 19-28 September 1979. Joint venture with Business Equipment Trade Association. Miss H. Goldberg ext. 7205. Cut off date passed.

1980

PARIS: International Business Machines and Office Equipment (Sicob). September 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

COLOGNE: International Office Trade Fair (Orgatechnik). October 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

CHICAGO: National Office Products Association Show. October 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

Packaging machinery and materials including containers

1979

UTRECHT. International Packaging Exhibition (Macropak). 14-19 May 1979. Joint venture with Institute of Packaging. F. Hague ext. 571. Cut off date passed.

BAHRAIN: Middle East Materials Handling Show and Conference. 22-25 October 1979. Joint venture with Birmingham Engineering and Building Centre. G. M. Lyndsell ext. 7314. Cut off date passed.

GOTHENBURG: International Packaging Exhibition (Scanpack). 30 October-4 November 1979. Joint venture with Institute of Packaging. Miss W. J. Titley ext. 7207. Cut off date passed.

SINGAPORE: International Exhibition of Printing and Packaging – Machinery Exhibition (Printpac – Asia '79). 5-9 November 1979. Joint venture with British Printing Machinery Association. R. D. Chapman ext. 7097. Cut off date 23.4.79.

1980

JOHANNESBURG: International Materials Handling Exhibition. 1980. Joint venture with appropriate trade association. R. F. M. Impey ext. 602. Cut off date not yet arranged.

BASLE: International Packaging Exhibition (Swisspack). June 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

TOKYO: Tokyo Pack '80. September 1980. Joint venture with Institute of Packaging. J. Ackroyd ext. 7317. Cut off date not yet arranged.

PARIS: 24th International Packaging Exhibition. November 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

1981

BARCELONA: Printing, Packaging and Canning Machinery Fair – Graphispack. March 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Photographic equipment

1979

ATLANTA: National Microfilm Association Annual Convention and Exposition. 8-10 May 1979. Joint venture with Business Equipment Trade Association. I. MacLean ext. 7242. Cut off date passed.

PARIS: 34th International Photographic, Cinema and Optical Exhibition. 20-29 October 1979. Joint venture with Association of British Manufacturers of Photographic Cine and Audio Visual Equipment. F. Sullivan ext. 7211. Cut off date passed.

PARIS: International Exhibition of Cinema, Theatre and Convention Hall Equipment (Cisco). 22-26 October 1979. Joint venture with Association of British Manufacturers of Photographic Cine and Audio Visual Equipment. F. Sullivan ext. 7211. Cut off date passed.

1980

BOSTON: National Microfilm Association Annual Convention and Exposition. May 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

TOKYO: British Export Marketing Centre: Professional Recording Equipment Photographic and Audio Visual Exhibition. June 1980. Sponsored by appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

PARIS: International Exhibition of Cinema, Theatre and Convention Hall Equipment (Cisco). October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

COLOGNE: World Fair of Photography (Photokina). September 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

PARIS: International Photographic, Cinema and Optical Exhibition. October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

Pottery and glassware

1980

ATLANTIC CITY: China and Glass Show. January 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date 24.5.79.

Printing, stationery and printing machinery

1979

AMSTERDAM: International Screen Printing Exhibition (FESPA). 25-28 April 1979. Joint venture with Display Producers and Screen Printers Association. Ms P. A. Norfield ext. 7092. Cut off date passed.

MILAN: International Paper and Printing Exhibition (GEC). 19-27 May 1979. Joint venture with British Printing Machinery Association. P. Crowe ext. 571. Cut off date passed.

NEW YORK: Stationery Show. 20-23 May 1979. Joint venture with British Stationery and Office Products Federation. Mrs J. Robinson ext. 7204. Cut off date passed.

BRNO: International Packaging and Printing Exhibition (Embax-Print). 2-7 July 1979. Joint venture with London Chamber of Commerce and Industry. B. Rice ext. 7246. Cut off date passed.

1980

ZAGREB: International Fair of Printing and Paper Industry (Intergrafika). March 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

CHICAGO: Print '80. 12-19 April 1980. International Graphic Arts Exposition. Joint venture with British Printing Machinery Association. D. Malley ext. 265. Cut off date passed.

NEW YORK: Stationery Show. May 1980. Joint venture with appropriate trade association. Mrs J. Robinson ext. 7204. Cut off date not yet arranged.

Scientific instruments and nuclear equipment

1979

FRANKFURT: Chemical Engineering, Exhibition and Congress (Achema). 17-23 June 1979. Joint ventures with:
Process Plant Association.
British Laboratory Ware Association.
Scientific Instrument Manufacturers Association.
Mrs J. Collings ext. 7201. Cut off date passed.

MUNICH: Exhibition for Electro-Optical Systems and their Application in Industry and Research (Laser '79). 2-6 July 1979. Joint venture with SIRA Institute Ltd. Mrs J. Collings ext. 7201. Cut off date passed.

CHICAGO: Instrument Automation Conference (ISA). 22-25 October 1979. Joint venture with SIRA Institute. Miss M. Thorogood ext. 7094. Cut off date passed.

LENINGRAD: Britnauchpribor. All British Exhibition and Seminar. 27 November-6 December 1979. Jointly sponsored with Scientific Instrument Manufacturers Association. H. Giles ext. 7213. Cut off date passed.

DAMASCUS: University Science Week. November 1979. Joint venture with appropriate trade association. R. Impey ext. 602. Cut off date not yet arranged.

PARIS: 7th International Exhibition of Measurement Control Regulation and Automation (Mesucora). 10-15 December 1979. Joint venture with SIRA Institute. Miss H. Goldberg ext. 7205. Cut off date passed.

1980

ZURICH: International Trade Fair for High Precision Techniques Dimensional Measurement and Control (Microtechnic). February 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

CLEVELAND: Pittsburg Conference on Analytical Chemistry and Applied Spectroscopy. March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext.7094. Cut off date September 1979.

ANAHEIM: Federation of American Societies of Experimental Biology and Conference. 14-17 April 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date October 1979.

MUNICH: International Exhibition and Congress for Bio-Chemical and Instrumental Analysis (Analytica). 28 April-2 May 1980. Joint venture with Scientific Instrument Manufacturers Association. J. Irving ext. 690. Cut off date 1.10.79.

DUSSELDORF: International Congress and Exhibition for Instrumentation and Automation (Interkama). October 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

POZNAN: International Special Exhibition for Testing Measurment Automation and Electronics (Mezura '80). November 1980. Joint venture with appropriate trade association. B. G. Rice ext. 7246. Cut off date not yet arranged.

PARIS: International Laboratory Exhibition. November/December 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

1981

SOFIA: Bulcontrola '81. Joint venture with appropriate trade association. H. Giles ext. 7213. Cut off date not yet arranged.

Ships and boats

1979

CHICAGO: Marine Trades Exhibition and Conference. 27-30 September 1979. Joint venture with Ship and Boat Builders National Federation. Miss L. E. Novell ext. 318. Cut off date passed.

RIO DE JANEIRO: Riomar (Marine Exhibition). 8-13 October 1979. Joint venture with British Marine Equipment Council. Miss J. Robinson ext. 7204. Cut off date passed.

HAMBURG: Emtec and International Boat Show. 20-28 October 1979. Joint venture with Ship and Boat Builders National Federation. Miss J. D. Mooney ext 7201. Cut off date passed.

ANNAPOLIS: United States Sailboat Show. October 1979. Joint venture with appropriate trade association. Miss L. E. Novell. ext. 318. Cut off date passed.

GENOA: International Boat Show. October 1979. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date passed.

COPENHAGEN: Boat Show. 10-18 November 1979. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

1980

DUSSELDORF: International Boat Show. 19-27 January 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

PARIS: International Pleasure Boat Exhibition. January 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

GOTHENBURG: International Boat Show. 1-10 February 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

STOCKHOLM: International Boat Show. 22 February-2 March 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

MIAMI: International Boat Show. February 1980. Joint venture with appropriate trade association. Miss L. E. Novell ext. 318. Cut off date not yet arranged.

OSLO: International Boat and Motor Show. 14-23 March 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

AMSTERDAM: International Sail and Power Boat Show (Hiswa). March 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

TOKYO: International Boat Show. March/April 1980. Joint venture with appropriate trade association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

ATHENS: International Shipping Exhibition (Posidonia). 5-10 June 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

HAMBURG: International Exhibition and Congress for Ship, Machinery and Marine Technology. 23-27 September 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

HAMBURG: Emtec and International Boat Show. 18-26 October 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

GENOA: International Boat Show. October 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 1.3.80.

COPENHAGEN: Boat Show. 8-16 November 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

AMSTERDAM: International Shipbuilding, Marine and Port Equipment Exhibition (Europort). November 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

1981

PARIS: International Pleasure Boat Exhibition. January 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

AMSTERDAM: International Sail and Power Boat Show (Hiswa). March 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Sports goods and camping equipment, including caravans

1979

TOKYO: British Export Marketing Centre (Outdoor Leisure Equipment Exhibition). 24-28 July 1979. Sponsored by Camping Trade Association of Great Britain.
Contact R. Saunders tel. 71 34191.
R. Grindley ext. 360. Cuf off date passed.

COLOGNE: International Trade Fair of Sports Goods, Camping equipment and Garden Furniture (Spoga). 22-25 September 1979. Joint ventures with:
British Sports and Allied Industries Federation.
Camping Trades Association.
Leisure and Outdoor Furniture Association.
H. M. Johnson ext. 7045. Cut off date not yet arranged.

ESSEN: International Caravan Salon. 29 September-7 October 1979. Joint venture with National Caravan Council. Miss J. D. Mooney ext. 7201. Cut off date 25.5.79.

COLOGNE: International Exhibition of Sports Facilities and Bath Installations. 17-20 October 1979. Joint venture with Building Centre Group. H. M. Johnson ext. 7045. Cut off date passed.

AMSTERDAM: Caravan Exhibition. December 1979. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

1980

HOUSTON: National Sporting Goods Association Show. January 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

AMSTERDAM: Caravan Exhibition. December 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Textiles and textiles machinery

1979

FRANKFURT: International Textiles for Clothing Exhibition (Interstoff). 15-18 May 1979. Joint venture with National Wool Textile Export Corporation. J. Irving ext. 690. Cut off date passed.

TOKYO: British Export Marketing Centre (Household Textiles Exhibition). 12-16 June 1979. Sponsored by Household Textiles Association.
Contact F. B. Nelson tel. 061-832 5574.
J. L. Ackroyd ext. 7317. Cut off date passed.

ATLANTA: Bobbin Show. 11-14 September 1979. Joint venture with Clothing Institute. Miss M. Thorogood ext. 7094. Cut off date passed.

COLOGNE: International Fair of Clothing Manufacturing Machines (IMB). 26-30 September 1979. Joint ventures with:
Clothing Institute.
British Interlining Manufacturers Association.
Mrs C. Miller ext. 7203. Cut off date passed.

HANOVER: International Textile Machinery Exhibition (ITMA). 2-11 October 1979. Joint venture with British Textile Machinery Association. H. M. Johnson ext. 7045. Cut off date passed.

1980

FRANKFURT: International Trade Fair for Home Furnishing Textiles (Heimtextil). 9-13 January 1980. Joint ventures with appropriate trade associations. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

FRANKFURT: International Textiles for Clothing Exhibition (Interstoff). May 1980. Joint venture with appropriate trade association. J. Irving ext. 690. Cut off date not yet arranged.

GREENVILLE, SOUTH CAROLINA: American Textile Machinery Exhibition International (AMTE-1). 16-24 October 1980. Joint venture with British Textile Machinery Association. Miss M. Thorogood ext. 7094. Cut off date 16.4.80.

1981

FRANKFURT: International Trade Fair for Home Furnishing Textiles (Heimtextil). January 1981. Joint venture with appropriate trade association. Mrs J. Collings ext. 7201. Cut off date not yet arranged.

Toys and games

1979

TOKYO: International Toy Fair. 3-5 September 1979. Joint venture with British Toy and Hobby Manufacturers Association. J. L. Ackroyd ext. 7317. Cut off date passed.

1980

NEW YORK: American Toy Fair. February 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

NUREMBERG: International Toy Fair. February 1980. Joint venture with appropriate trade association. J. Irving ext. 690. Cut off date not yet arranged.

TOKYO: Japan International Toy Fair. September 1980. Joint venture with appropriate trade association. R. Grindley ext. 360. Cut off date not yet arranged.

Watches and clocks

1979

BASLE: Swiss Industries Fair (7th European Watch, Clock and Jewellery Fair). 21 April-1 May 1979. Joint ventures with:
Export Council for the British Jewellery and Giftware Federation.
British Clock and Watch Manufacturers Association.
Ms. P. A. Norfield ext. 7092. Cut off date passed.

1980

BASLE: Swiss Industries Fair (8th European Watch, Clock and Jewellery Fair). April 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

1981

BASLE: Swiss Industries Fair 9th European Watch, Clock and Jewellery Fair). April 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

Water, effluent and air treatment plant, including anti-pollution, cleaning and refuse disposal equipment

1979

AMSTERDAM: International Cleaning and Maintenance Exhibition (Interclean). 8-11 May 1979. Joint venture with British Electrical and Allied Manufacturers Association. Ms P. A. Norfield ext. 7092. Cut off date passed.

1 OVERSEAS FAIRS AND SYMPOSIA
where BOTB support is planned or under consideration

1980

DUSSELDORF: ITF and Congress for Engineering in Environmental Protection (Envitec). 11-15 February 1980. Joint venture with SIRA Institute. Mrs C. Miller ext. 7203. Cut off date passed.

TOKYO: Anti-Pollution Exhibition (APEX). March 1980. Joint venture with appropriate trade association. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

DUSSELDORF: International Trade Fair for Industrial Cleaning and Works Hygiene (IGB). October 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

MILAN: Antipollution Exhibition. October/November 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 30.3.80.

PARIS: International Industrial Cleaning and Waste Disposal Exhibition (Internet-Expo). December 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

PARIS: International Exhibition of Techniques for Control of Industrial and Urban Pollution (Pollutec). December 1980. Joint venture with appropriate trade association. Miss H. Goldberg ext. 7205. Cut off date not yet arranged.

Other specialised fairs

1979

CINCINNATI: American Ceramic Society. 29 April-1 May 1979. Joint venture with British Ceramic Plant and Machinery Manufacturers Association. Miss M. Thorogood ext. 7094. Cut off date passed.

PARIS: Expozoo. 26-28 May 1979. Joint venture with Pet Trade Association. F. Sullivan ext. 7211. Cut off date passed.

DUSSELDORF: 3rd International Trade Exhibition for Industrial Furnaces and Thermic Production Processes (Thermprocess '79). 9-22 June 1979. Joint venture with Birmingham Chamber of Commerce and Industry. Mrs C. Miller ext. 7203. Cut off date passed.

FRANKFURT: Chemical Engineering, Exhibition and Congress (Achema). 17-23 June 1979. Joint ventures with:
Process Plant Association.
British Laboratory Ware Association.
Scientific Instrument Manufacturers Association.
Mrs J. Collings ext. 7201. Cut off date passed.

BATON ROUGE, LOUISIANA: Annual Exhibition of Education Resources. 24-27 June 1979. Joint venture with Engineering and Teaching Equipment Manufacturers Association (ETE '79). I. MacLean ext. 7242. Cut off date passed.

BASLE: International Art Fair. June 1979. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

SYDNEY: Australia International Education Exhibition. 17-20 July 1979. Joint venture with Industrial Council for Educational and Training Technology Ltd. R. D. Chapman ext. 7097. Cut off date passed.

ISTANBUL: International Mining Congress and Exhibition. 15-22 September 1979. Joint venture with Association of British Mining Equipment Exporters. Ms P. A. Norfield ext. 7092. Cut off date passed.

PARIS: Europrotection. 18-21 September 1979. Joint venture with London Chamber of Commerce. F. Sullivan ext. 7211. Cut off date passed.

DUBAI: Middle East Transportation Exhibition. 7-12 October 1979. Joint venture with London Chamber of Commerce and Industry. G. M. Lyndsell ext. 7314. Cut off date 15.5.79.

MONTE CARLO: Home Sewing, Knitting and Needlecraft Industries Exhibition (Intersew). 12-16 October 1979. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date 18.5.79.

UTRECHT: International Security Exhibition (Security). 15-19 October 1979. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date passed.

BOSTON: Inter-Glass Metal. 19-21 October 1979. Joint venture with Glass Manufacturers Federation. Miss M. Thorogood ext. 7094. Cut off date passed.

TORONTO: Annual Convention and Exhibition of the Wire Association of America. 21-25 October 1979. Joint venture with International Wire and Machinery Association. Miss M. Thorogood ext. 7094. Cut off date passed.

SHARJAH: Municipal Services and Equipment Exhibition. 3-8 November 1979. Joint venture with Birmingham Engineering and Building Centre. G. M. Lyndsell ext. 7314. Cut off date 18.5.79.

TOKYO: British Export Marketing Centre (Do-It-Yourself and Hobbycraft Equipment Exhibition). 13-17 November 1979. Sponsored by Birmingham Engineering and Building Centre.
Contact D. W. Perkins tel. 021-643 1914.
R. Grindley ext. 360. Cut off date passed.

DUSSELDORF: Industrial Safety and Factory Hygiene Exhibition and Congress. 13-17 November 1979. Joint venture with London Chamber of Commerce. Mrs C. Miller ext. 7203. Cut off date passed.

NEW ORLEANS: IAAPA Outdoor Amusement and Souvenir Novelty Exposition. November 1979. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

1980

DUBLIN: International Education and Training Exhibition and Conference (ETEX). 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

UTRECHT: Exhibition of Material and Equipment for use in Leisure Activities (Kreatief). January 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 31.7.79.

TOKYO: British Export Marketing Centre Energy Saving Exhibition. 19-23 February 1980. Sponsor not yet known. J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

USA: World Fair for Technology Exchange. February/March 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

DUBAI: Middle East Education Exhibition. 3-6 March 1980. Joint venture with appropriate trade association. G. M. Lyndsell ext. 7314. Cut off date not yet arranged.

BASLE: International Powder Technology and Bulk Solids Exhibition and Conference (Powtech). 5-8 March 1980. Joint venture with Process Plant Association. Ms P. A. Norfield ext. 7092. Cut off date passed.

UTRECHT: VAT Subcontractors Exhibition. April 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 30.8.79.

PIACENZA: International Button Fair. April 1980. Joint venture with appropriate trade association. P. Crowe ext. 571. Cut off date 31.10.79.

USA: American Ceramic Society Meeting. April 1980. Joint venture with appropriate trade association. Miss M. Thorogood ext. 7094. Cut off date not yet arranged.

WIESBADEN: International Trade Fair for Pet Supplies (Interzoo). 2-4 May 1980. Joint venture with appropriate trade association. Miss J. D. Mooney ext. 7201. Cut off date not yet arranged.

CHICAGO: American Coal Show. 5-8 May 1980. Joint venture with appropriate trade association. D. Malley ext. 265. Cut off date 3.9.79.

British Export Marketing Centre Tokyo

The British Overseas Trade Board considers that the Japanese market continues to offer new and exciting growth prospects for a wide range of British exports. For a single fee of £300 or whatever rate is applicable at the time of the exhibition firms can participate in official trade exhibitions being held in the British Export Marketing Centre, Tokyo, which was opened in September 1973. The board will provide free of charge the floor space and a shell stand and mount the exhibits. It will also arrange to ship all exhibits to Tokyo free of charge from a central point in Britain. Before each exhibition it will mount a major advertising and publicity campaign in Japan to attract potential customers. In addition, exhibiting firms will be able to claim £505 towards the cost of sending each of up to two representatives to man the stands during the exhibition. The centre is available to British companies, or their agents, wishing to mount individual product exhibitions for a charge of approx. £122 a day. It is also available to companies wishing to hold seminars and conferences and there are facilities for audio-visual presentations and catering and simultaneous interpretation. A charge of approx. £12 an hour will be made. Further information on the centre and its facilities can be obtained from Fairs and Promotions Branch (01-248 5757 ext. 663/7317/360).
The programme of exhibitions for 1980 is now under consideration and information may be obtained from the Board's Export to Japan Unit (01-248 5757 ext. 614/232).

Official British trade exhibitions May 1979 to March 1980

Furniture Exhibition. 15-19 May 1979. Sponsored by BFM Exports (J. Diab, 01-724 0857/8). FPB contact R. Grindley ext. 360. Cut off date passed.

Construction Equipment and Materials Exhibition. 29 May-2 June 1979. Sponsored by the Building Centre Group (D. Clayton, 01-637 1022). FPB contact R. Grindley ext. 360. Cut off date passed.

Household Textiles Exhibition. 12-16 June 1979. Sponsored by Household Textiles Association. FPB contact J. L. Ackroyd ext. 7317. Cut off date passed.

Outdoor Leisure Exhibition. 24-28 July 1979. Sponsored by the Camping Trades Association (R. Saunders, Ruislip (71) 34191). FPB contact R. Grindley ext. 360. Cut off date passed.

Housewares and Giftwares Exhibition. 4-8 September 1979. Sponsored by the Hardware Manufacturers Association (Richard Grier, 02403 21431). FPB contact J. L. Ackroyd ext. 7317. Cut off date passed.

Do-It-Yourself and Hobbycraft Equipment Exhibition. 13-17 November 1979. Sponsored by the Birmingham Engineering and Building Centre (D. Perkins, 021-643 1914). FPB contact R. Grindley ext. 360. Cut off date passed.

Clothing Exhibition (Provisional). January 1980. FPB contact R. Grindley ext. 360. Cut off date not yet arranged.

Medical Equipment Exhibition (Provisional). 31 January-3 February 1980. Sponsored by British Health-Care Export Council (J. Harris, 0000 0000). FPB contact J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

Energy Saving Exhibition (Provisional). 19-23 February 1980. FPB contact J. L. Ackroyd ext. 7317. Cut off date not yet arranged.

Carpets Exhibition (Provisional). 25-29 March 1980. Sponsored by British Carpet Manufacturers Association (G. H. Davidson 01-839 2145). FPB contact R. Grindley ext. 360. Cut off date not yet arranged.

COPENHAGEN: 9th World Fishing Exhibition. 2-9 June 1980. Joint venture with appropriate trade association. Miss W. J. Titley ext. 7207. Cut off date not yet arranged.

BASLE: International Art Fair. June 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

BASLE: Eurotunnel. 16-20 September 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

PARIS: Europrotection. September 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

LOUISVILLE: International Woodworking Machinery and Furniture Supply Fair. September 1980. Joint ventures with appropriate trade associations. Miss M. Thorogood ext.7094. Cut off date not yet arranged.

BASLE: Inter-Idex. 14-17 October 1980. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

PARIS: International Antiques and Works of Art Exhibition. October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

MONTE CARLO: Home Sewing, Knitting and Needlecraft Industries Exhibition (Intersew). October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

KORTRIJK: International Biennial of Interior Design (Interior '80). October 1980. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

DUSSELDORF: International Trade Fair for Industrial Cleaning and Works Hygiene (IGB). October 1980. Joint venture with appropriate trade association. Mrs C. Miller ext. 7203. Cut off date not yet arranged.

NEW ORLEANS: IAAPA Outdoor Amusements and Souvenir Novelty Expo. November 1980. Joint venture with appropriate trade association. I. MacLean ext. 7242. Cut off date not yet arranged.

1981

BASLE: European Educational Materials Exhibition (Didacta). March 1981. Joint venture with appropriate trade association. Ms P. A. Norfield ext. 7092. Cut off date not yet arranged.

UK businessmen going overseas

British businessmen intending to travel overseas are urged in their own interests to make the earliest possible contact, before going abroad, with the Export Services and Promotions Division of the Department of Trade (at the appropriate regional office for firms outside London, and Export House, 50 Ludgate Hill, London EC4M 7HU for firms in London and south-east England). The department, in co-operation with commercial officers at embassies, high commissions and consulates overseas, is in a position to provide advice when it is required, and to help, where appropriate, in making trade contacts related to the purpose of the visit. Even where a businessman does not require specific assistance it is valuable for him to meet the commercial officers to get up-to-date information about the market. The Department of Trade would therefore welcome receiving notification of any businessmen intending to travel overseas.

To enable the overseas commercial officers to be of the greatest assistance to UK visitors the department needs to be able to brief the overseas officers as fully as possible.

2 STORE PROMOTIONS

Where BOTB support is planned or under consideration

BOTB contact for all Store Promotions: T. G. Webb, tel. 01-248 5757 ext. 7090 or ext. 7183.

PARIS: Expozoo. May 1981. Joint venture with appropriate trade association. F. Sullivan ext. 7211. Cut off date not yet arranged.

COPENHAGEN: 10-26 May 1979. Magasin Du Nord A/S (six stores). Mr Bjarke Vilstrup, Kongens Nytorv 13, DK-7050 Copenhagen K, telex 15975.

COPENHAGEN: 14-19 May 1979. Irma A/S. Mr Ole J. Moeller, Korsdalsvej 101 DK-2610 Rodovre, telex 15552 Irma DK.

TEL AVIV: May 1979. (Predominantly Food Promotion). Supersol Ltd (36 stores). Mr G. Rogers. Portman (Wholesale and Overseas) Ltd, 40 Duke Street, London W1M 6AL, tel. 01-629 8805.

HALIFAX: 3-16 June 1979. Sobeys Stores Ltd (Food Promotion) (60 stores). Mr F. J. Hickey, Vice-President, Sobeys Stores Ltd, 115 King Street, Stellarton, Nova Scotia BOK 130.

MANILA: 13-31 July 1979. Rustan's. UK buying house. Mr Donald Dean, Dean Warburg Ltd, 38 Savile Row, London W1X 2ET, tel. 01-734 942.

COPENHAGEN: 6-11 August 1979. Favor (Lund and Rasmusen A/S). Mr P. Erichsen, Dagros I/S, Gammelager 13, 2600 Glostrup, telex. 19758.

BRITISH COLUMBIA: Late summer 1979. (105 outlets). Mr M. Gallant. Kelly Douglas and Co Ltd, PO Box 2039, Vancouver, British Columbia V6B 351, telex 04-354538 Kelly Vcr.

BRUSSELS and other cities: 7 September-2 October 1979. (22 stores). GB-INNO-BM. Mr G. Rogers. Portman (Wholesale and Overseas) Ltd, 40 Duke Street, London W1M 6AL, tel. 01-629 8805.

PARIS and other cities: 19 September-17 October 1979. (Au Printemps Sa) (31 stores). Mr G. Rogers. Portman (Wholesale and Overseas) Ltd, 40 Duke Street, London W1M 6AL, tel. 01-629 8805.

BANGKOK: September 1979. (3 stores). Central Department Store Co Ltd.

DALLAS, TEXAS: 15-27 October 1979. Neiman-Marcus. Contact Mr F. Jackson. Gimbel Brothers, Elsley House, 24-30 Great Titchfield Street, London W1P 8EP, tel. 01-637 3931.

TOKYO and other cities: 9 October 1979 (2 weeks). Mitsukoshi Department Store Promotion. Mr M. Kumada. Mitsukoshi (UK) Ltd, 5th Floor, Kent House, 87 Regent Street, London W1R 8NB, tel. 01-839 6714.

OSAKA: 16-21 November 1979. Hankyu Department Stores Inc. Mrs J. English. Booker Merchants International Ltd, The Adelphi, John Adam Street, London WC2N 6BD, tel. 01-930 4041.

MADRID and other cities: November 1979. (12 stores). El Corte Ingles. Iberica Trading Co Ltd, 23/25 Eastcastle Street, London W1N 7PB, tel. 01-580 6434.

MELBOURNE: 4-16 February 1980. Buckley and Nunn Ltd. Mr G. Rogers. Portman (Wholesale and Overseas) Ltd, 40 Duke Street, London W1M 6AL, tel. 01-629 8805.

GENEVA: May 1980 (2 weeks). CO-OP Geneva. (51 stores) (Food Promotion). Chemin Voie Creuse 16, Geneva. (Purchasing Director: Armin Michel).

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MISSIONS

Where BOTB support is planned or under consideration

INWARD MISSIONS

Overseas visitors bureau contact for general enquiries relating to inward missions: S. H. Moger, 01-248 5757 ext. 463.

UNDER CONSIDERATION

Global, May 1979: Editors to the Brighton Boat Show. Ship and Boat Builders National Federation (Mrs H. Greenslade 97 54511).

Global, May 1979: Railway Equipment. Railway Industries Association (G. R. Curry 01-834 1426).

Italy, May 1979: Electronic Components. Electronic Components Industries Federation (W. Barratt 01-437 4127).

Mexico, June 1979: Mining Equipment. Association of British Mining Equipment Companies (R. Buckley 0742 21071.

West Germany, June 1979: Foodstuffs. British Food Export Council (P. C. Platten 01-480 6594/5.

USA, June 1979: Hand Tools. Federation of British Hand Tool Manufacturers (W. R. Eccles 0742 663084).

Italy, June 1979: Machine Tools. Machine Tools Trade Association (H. E. Wallace 01-402 6672).

Global, June 1979: Journalists prior to Hotelympia '80. Sponsor to be decided (BOTB contact D. Mahoney 01-248 5757 ext. 659).

Yugoslavia, June 1979: Book Publishing. Book Development Council (Shelley Roberts 01-580 6321).

Kenya, June 1979: Building Materials. Building Centre (D. Clayton 01-637 1022).

Hong Kong, July 1979: Hospital Equipment. British Health-Care Export Council (J. Harris 01-580 7912/5).

South America, July 1979: Brewery Equipment. The Allied Brewery Traders Association (J. Ingoldby 01-691 3950).

USSR, September 1979: Offshore Europe '79 Exhibition. Council of British Manufacturers of Petroleum Equipment (BOTB contact S. H. Moger 01-248 5757 ext. 463).

Global, September 1979: Naval Communications (Royal Navy Equipment Exhibition). Ministry of Defence (D. Packer 01-632 4857).

Global, September 1979. Pre-Pakex Seminar. Institute of Packaging (K. E. Reading 021-705 6707).

Netherlands, September 1979: Foodstuffs. British Food Export Council (P. C. Platten 01-480 6594/5).

Global, September 1979: Industrial Weighing Force Measurement. Institute of Measurement and Control (K. Chatters 0732 50755).

China, September 1979: Offshore Europe '79 Exhibition. Association of British Oceanic Industries (BOTB contact S. H. Moger 01-248 5757 ext. 463).

Global, September 1979: Royal Navy Equipment Exhibition. Ministry of Defence (Lt-Col P. S. D. Griffin 01-218 0395).

Latin America, September 1979: Offshore Europe '79 Exhibition. Association of British Oceanic Industries (BOTB contact S. H. Moger 01-248 5757 ext. 463).

New Zealand, September 1979: Book Publishing. Book Development Council (Shelley Roberts 01-580 6321).

Global, September 1979: Royal Navy Equipment Exhibition. Defence Manufacturers Association (B. Dove 0483 35355).

Australia, September 1979: Book Publishing. Book Development Council (Shelley Roberts 01-580 6321).

USA, September 1979: Mining Equipment. Association of British Mining Equipment Companies (R. Buckley 0742 21071).

Global, September 1979: Journalists prior to Brewex '80. Sponsor to be decided (BOTB contact D. Mahoney 01-248 5757 ext. 463).

Venezuela, October 1979: Building Materials. Building Centre (D. Clayton 01-637 1022).

Global, October 1979: Racalex '79 – Army Communications. Ministry of Defence (Lt-Col C. H. Palmer 01-632 4860).

West Germany, October 1979: Hand Tools. Federation of British Hand Tool Manufacturers (W. R. Eccles 0742 663084).

Global, October 1979: Journalists to GLEE '79. Leisure and Outdoor Furniture Association (L. G. Walker 01-405 9292).

Global, October 1979: Journalists to IPEX '80. British Printing Machinery Association (D. King 021-705 6707).

West Germany, November 1979: Furniture Exhibition. British Furniture Manufacturers Federated Associations (J. Diab 01-724 0857/8).

Kuwait, November 1979: Building Materials. Building Centre (D. Clayton 01-637 1022).

Global, June 1980: British Army Equipment Exhibition. Defence Manufacturers Association (B. Dove 0483 35355).

DATES TO BE AGREED

South Africa: Audio Visual Aids. Industrial Council for Education and Training Technology (BOTB contact D. Mahoney 01-248 5757 ext. 659).

Japan: Electronic Components. Electronic Components Industry Federation (BOTB contact P. Pennell-Buck 01-248 5757 ext. 361).

West Germany: Packaging Material and Equipment. (BOTB contact D. Mahoney 01-248 5757 ext. 659).

Belgium: Footwear. British Footwear Manufacturers Federation (Mrs C. M. Long 01-437 5573).

Denmark: Footwear. British Footwear Manufacturers Federation (Miss P. Pollard 01-437 5573).

Switzerland: Machine Tools. Machine Tools Trade Association (H. E. Wallace 01-402 6672).

France: Inner City Rehabilitation. (BOTB contact H. F. Finch 01-248 5757 ext. 379).

Brazil: Horse Racing Equipment. The Jockey Club (BOTB contact H. F. Finch 01-248 5757 ext. 379).

Global: Editors to Interbuild. Building Materials Export Group (Miss J. Buchanan 01-486 1951).

Argentina: Finance and Banking. Committee on Invisible Exports (Miss G. Murdoch 01-628 3161).

Iraq: Fire Fighting Equipment. Council of British Fire Protection Equipment Manufacturers (BOTB contact C. Logier 01-248 5757 ext. 680).

Switzerland: Nuclear Medicine. British Health-Care Export Council (J. Harris 01-580 7912/5).

Spain: Computer Software. The Computing Services Association (BOTB contact H. F. Finch 01-248 5757 ext. 379).

Nigeria: Plastics. British Plastics Federation (Miss F. Munro 01-235 9483).

Mexico: Finance and Banking. Committee on Invisible Exports (Miss G. Murdoch 01-626 3161).

Trinidad: Finance and Banking. Committee on Invisible Exports (Miss G. Murdoch 01-626 3161).

Argentina: General Agricultural Equipment. (BOTB contact P. Pennell-Buck 01-248 5757 ext. 361).

Italy: Seed Potatoes. (BOTB contact P. Pennell-Buck 01-248 5757 ext. 361).

Italy: Breeding Cattle. (BOTB contact P. Pennell-Buck 01-248 5757 ext. 361).

New Zealand: Hospital Equipment. British Health-Care Export Council (J. Harris 01-580 7912/5).

West Germany: Computer Software. The Computing Services Association (BOTB contact H. F. Finch 01-248 5757 ext. 379).

Global: British Hospital and Medical Equipment Exhibition. (BOTB contact H. F. Finch 01-248 5757 ext. 379).

Hong Kong: Medical Equipment. British Health-Care Export Council (J. Harris 01-580 7912/5).

Brazil: Friesian Cattle. British Agricultural Export Council (D. J. Knapman 01-245 9819).

Switzerland: Knitwear. British Knitting Export Council (A. R. Bicknell 01-734 6277/8).

Finland: Knitwear. British Knitting Export Council (A. R. Bicknell 01-734 6277/8).

Global: Interbuild. Building Materials Export Group (Miss J. Buchanan 01-486 1951).

Lebanon: Agricultural Products and Equipment. British Agricultural Export Council (J. Thorneloe 01-245 9819).

Norway: Mining Equipment. Association of British Mining Equipment Companies (R. Buckley 0742 21071).

Greece: Computer Software. The Computing Services Association (BOTB contact H. F. Finch 01-248 5757 ext. 379).

West Germany: Finance and Banking. Committee on Invisible Exports (Miss G. Murdoch, 01-626 3161).

Venezuela: Food Processing Machinery. Sponsor to be decided (BOTB contact D. Mahoney 01-248 5757 ext. 659).

OUTWARD MISSIONS

Africa

1979

South Africa 6-23 May 1979. Agricultural Engineers Association (D.G. O'Neil, 01-828 7976). FPB contact M. A. Smith ext. 7104. Cut off date passed.

Nigeria 13-25 May 1979. London Chamber of Commerce and Industry (E. Hudepohl, 01-248 4444). FPB contact M. A. Smith ext. 7104. Cut off date passed.

South Africa 2-16 June 1979. Leicester Chamber of Commerce and Industry (H. L. Hilliard, Leicester 27171). FPB contact M. A. Smith ext. 7104. Cut off date passed.

Nigeria 24 June-6 July 1979. Glasgow Chamber of Commerce (A. Duncan, 041-204 2121). FPB contact M. A. Smith ext. 7104. Cut off date passed.

South Africa 18 August-1 September 1979. Manchester Chamber of Commerce (D. Arrondale, 061-832 5574). FPB contact M. A. Smith ext. 7104. Cut off date passed.

South Africa 8-22 September 1979. Birmingham Engineering and Building Centre (D. Perkins, 021-643 1914). FPB contact M. A. Smith ext. 7104. Cut off date 10.5.79.

South Africa 21 September-5 October 1979. Birmingham Chamber of Industry and Commerce (G. Ashmore, 021-454 6171). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Gabon, Ivory Coast, Cameroon, Senegal 1-21 October 1979. Westminster Chamber of Commerce (J. B. Turner, 01-734 8251). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa 6-20 October 1979. Dundee Chamber of Commerce (H. Terrell, Dundee 22122). FPB contact M. A. Smith 7104. Cut off date 10.6.79.

South Africa 14-27 October 1979. British Ceramic Plant Machinery Manufacturers' Association (C. J. Hench, Walton-on-Thames 28597/8). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa 20 October-2 November 1979. North Staffordshire Chamber of Commerce (J. J. Glover, Stoke-on-Trent 44731). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Kenya, Tanzania 2-16 November 1979. Leicester and County Chamber of Commerce (A. M. Green, Leicester 27171). FPB contact M. A. Smith ext. 7104. Cut off date 3.7.79.

South Africa 3-18 November 1979. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Ivory Coast, Senegal 20-28 November 1979. British Consultants' Bureau (J. A. Stephens, 01-222 3651/4). FPB contact M. A. Smith ext. 7104. Cut off date 19.7.79.

Kenya, South Africa 25 November-8 December 1979. Gauge and Toolmakers Association (T. E. Williams, High Wycombe 44649). FPB contact M. A. Smith ext. 7104. Cut off date 25.7.79.

UNDER CONSIDERATION

1979

Nigeria Autumn 1979. Birmingham Engineering and Building Centre (D. W. Perkins, 021-643 1914). FPB contact M. A. Smith ext. 7104.

Nigeria Autumn 1979. Bradford Chamber of Commerce (M. A. Sewell, 0274 28166). FPB contact M. A. Smith (ext. 7104.

Nigeria Autumn 1979. British Railway Industry Export Group (G. R. Curry, 01-834 1426). FPB contact M. A. Smith ext. 7104.

1980

Cameroon, Gabon April 1980. London Chamber of Commerce (E. Hudepohl, 01-248 4444). FPB contact M. A. Smith ext. 7104.Cut of date not yet arranged.

Nigeria, Ghana June 1980. Cardiff Chamber of Commerce (R. Smale, 0222 21648). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Nigeria May 1980. North of England Development Council (A. Wilson, Stockton-on-Tees 612515). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Nigeria January 1980. Scottish Council (Mrs M. Bell, 031-225 7911). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Nigeria, Ghana January-February 1980. Birmingham Chamber of Commerce (T. Edgar, 021-454 6171). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Nigeria January-February 1980. Northern Ireland Chamber of Commerce (B. Chalmers, Belfast 34488). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Tanzania, Kenya, Sudan April 1980. Cardiff Chamber of Commerce (R. Smale, 0222 21648). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Kenya March 1980. North of England Development Council (A. Wilson, Stockton-on-Tees 612515). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Tanzania, Kenya February 1980. British Agricultural Export Council (R. Whitcombe, 01-245 9819). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Nigeria, Ghana May 1980. Society of Motor Manufacturers and Traders (K. Wallis, 01-235 7000). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Kenya Agricultural Engineers Association (D. G. O'Neil, 01-828 7973). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Mauritius, Seychelles London Chamber of Commerce (E. Hudepohl, 01-248 4444). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa January-February 1980. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa February 1980. Bristol Chamber of Commerce (Mrs B. Childs, 0272 37081). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa March 1980. London Chamber of Commerce (E. Hudepohl, 01-248 4444). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa February-March 1980. Northern Ireland Chamber of Commerce (B. Chalmers, Belfast 34488). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa 12-30 April 1980. Scottish Council (Mrs M. Bell, 031-225 7911). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa April 1980. Publishers Association (M. Rowland, 01-580 6321). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

South Africa May-June 1980. Federation of Sussex Industries (Mrs N. Potter, 2273 26282). FPB contact M. A. Smith ext. 7104. Cut off date not yet arranged.

Americas, including the Caribbean

1979

USA 30 April-10 May 1979. British Food Export Council (A. M. Battle, 01-480 6594). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

MEXICO 5-12 May 1979. Birmingham Chamber of Commerce (B. Carnes, 021-454 6171). FPB contact J. C. Saunders ext. 214. Cut off date passed.

USA 13-23 May 1979. Federation of Sussex Industries. (Mrs N. Potter, Brighton 26282). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

Argentina, Chile 13-25 May 1979. Manchester Chamber of Commerce (E. Tomlinson, 061-832 5574). FPB contact J. C. Saunders ext. 214. Cut off date passed.

USA, Canada 14-25 May 1979. Export Association of Nottingham (Mrs B. Paling, Nottingham 293360). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

Venezuela, Brazil, Uruguay, Argentina 22 May-9 June 1979. Ship and Boat Builders National Federation (D. Hough, Weybridge 54511). FPB contact J. C. Saunders ext. 214. Cut off date passed.

USA 28 May-8 June 1979. London Chamber of Commerce (J. McGregor, 01-248 4444). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

USA 2-9 June 1979. Bristol Chamber of Commerce, Industry and Shipping (Mrs B. Childs, Bristol 37081). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

Canada 6-16 June 1979. British Food Export Council. (A. M. Battle, 01-480 6594). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

Venezuela 19-29 June 1979. Scottish Council Development and Industry (Miss M. Bell, 031-225 7911). FPB contact J. C. Saunders ext. 214. Cut off date passed.

Suriname and the Caribbean 23 June-2 July 1979. West India Committee (Mrs J. Turner, 01-629 6353). FPB contact J. C. Saunders ext. 214. Cut off date passed.

Brazil 24-29 June 1979. London Chamber of Commerce (M. Worsley, 01-248 4444). FPB contact J. C. Saunders ext. 214. Cut off date passed.

Chile, Uruguay, Argentina 30 June-14 July 1979. British Food Export Council (B. Emrys-Roberts, 01-480 6594). FPB contact J. C. Saunders ext. 214. Cut off date passed.

Venezuela 10-20 July 1979. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact J. C. Saunders ext. 214. Cut off date passed.

Canada 14-21 July 1979. Birmingham Chamber of Industry and Commerce (T. A. Jackson, 021-454 6171). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date passed.

USA, Canada July-August 1979. Export Council for the Jewellery and Giftware Federation (J. W. F. McConnell, 01-605 2451). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 1.5.79.

USA 11-18 August 1979. Birmingham Chamber of Industry and Commerce (T. A. Jackson, 021-454 6171). FPB contact Mrs. W. M. MacIver ext. 7088. Cut off date passed.

USA, Canada 22-31 August 1979. Briar Pipe Trade Association (L. A. Chapuis, 01-606 9121). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date May 1979.

Argentina, Chile, Brazil 1-19 September 1979. Federation of Sussex Industries (Mrs N. Potter, Brighton 26282). FPB contact J. C. Saunders ext. 214. Cut off date 1.5.79.

Trinidad 3-8 September 1979. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact J. C. Saunders ext. 214. Cut off date 3.5.79.

North America 15-25 September 1979. British Ceramic Manufacturers Federation (S. H. Jarrett, Stoke-on-Trent 48631). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 15.5.79.

North America 15-30 September 1979. Mastercraftsmen Association and Retail Export Group (C. T. Gallaway, 01-657 3358). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 15.5.79.

USA 17–28 September 1979. British Furniture Manufacturers Federated Association (J. Diab, 01-724 0857). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 17.5.79.

USA 22-September-6 October 1979. Allied Brewery Trades Association (J. A. Ingoldby, 01-691 3950). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 22.5.79

Venezuela, Ecuador 29 September-13 October 1979. Birmingham Chamber of Commerce (T. A. Jackson, 021-454 6171). FPB contact J. C. Saunders ext. 214. Cut off date 29.5.79.

USA 22 September-6 October 1979. Walsall Chamber of Commerce and Industry (N. E. Turner, Walsall 25671/2). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 29.5.79.

USA/Canada 22 September-6 October 1979. Glasgow Chamber of Commerce (M. Neil, 041-204 2121). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 22.5.79.

North America September 1979. Ship and Boat Builders National Federation (A. D. H. Hough, Weybridge 54511). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date May 1979.

USA, Canada 1-12 October 1979. Irish Linen Merchants Association (E. O. L. Seccombe, Lisburn 77377). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 1.6.79.

USA 9-19 October 1979. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 8.6.79.

USA 16-26 October 1979. Leicester Chamber of Commerce and Industry (H. L. Milliard, Leicester 27171). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 18.6.79.

Chile, Argentina 20 October-2 November 1979. Birmingham Chamber of Industry and Commerce (T. A. Jackson, 021-454 6171). FPB contact J. C. Saunders ext. 214. Cut off date 20.6.79.

USA, Canada 29 October-10 November 1979. British Knitting Export Council (A. R. Bicknell, 01-734 6277/8). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 29.6.79.

USA 1-8 November 1979. Music Publishers Association (J. D. Josephson, 01-580 3399). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 29.6.79.

USA 3-17 November 1979. Birmingham Engineering and Building centre (D. W. Perkins, 021-643 1914). FPB contact J. C. Saunders ext. 214. Cut off date 3.7.79.

Colombia and Ecuador 3-23 November 1979. London Chamber of Commerce (J. M. Worsley, 01-248 4444). FPB contact J. C. Saunders ext. 214. Cut off date 3.7.79.

Mexico 9-17 November 1979. Scottish Council Development and Industry (J. A. Anderson, 031-225 7911). FPB contact J. C. Saunders ext. 214. Cut off date 8.6.79.

USA, Canada 10-16 November 1979. Federation of British Manufacturers of Sports and Games (S. Hicks, 01-437 7281). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 2.7.79.

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Industrial and Trade Fairs International Ltd

1979

British Energy Exhibition
6-16 June, Exhibition Centre, Peking

International Exhibitors Congress and Exhibition
18-20 September, Convention Centre, Monte Carlo

Municipal Services and Equipment Exhibition
3-8 November, The Expo Centre, Sharjah

1980

World Fishing '80 Exhibition
2-9 June, Bella Centre, Copenhagen

ITF PTE Ltd

1979

Wood '79, International Forestry, Timber Processing and Woodworking Exhibition
16-20 July, World Trade Centre, Singapore

1980

International Laundry & Dry Cleaning and Allied Services Exhibition
28 Jan.-1 Feb., World Trade Centre, Singapore

Photo '80, World Photographic Congress and Exhibition
15-21 March, World Trade Centre, Singapore

International Mining, Tunnelling and Quarrying Exhibition
26-30 May, World Trade Centre, Singapore

British Metalworking Exhibition
2-9 June, Korean Exhibition Centre, Seoul

Foodtech '80, Food Processing and Packaging Exhibition
23-27 June, World Trade Centre, Singapore

Kor-Marine '80, International Shipbuilding, Marine Equipment, Ports and Harbours Exhibition
24 July-4 August, Korean Exhibition Centre, Seoul

Rubberplas '80, International Rubber and Plastics Exhibition
15-19 September, World Trade Centre, Singapore

From 1980, a full programme of exhibitions will be staged in the Korean Exhibition Centre, Seoul.

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UK EXHIBITIONS Industrial and Trade Fairs Ltd

1979

World Wine Fair
18-28 July, Exhibition Centre, Bristol

Homes Exhibition '79
20 September-6 October National Exhibition Centre, Birmingham

International Carpet Fair
4-7 September, The Exhibition Centre, Harrogate

MAB International Menswear Fair
16-19 September, Earls Court, London

International Welding and Metal Fabrication Exhibition
24-28 September, National Exhibition Centre, Birmingham

Electronic Measuring Instruments Exhibition
2-4 October, Eurocrest Hotel, Coventry
9-11 October, Bloomsbury Centre Hotel, London
23-25 October, Eurocrest Hotel, Bristol

Electronics '79, Electronic Components Industry Fair
20-23 November, Olympia, London

Export Services Exhibition
December, National Exhibition Centre, Birmingham

1980

Hotelympia '80 International Hotel and Catering Exhibition
23-30 January, Olympia, London

Imbex '80 International Men's and Boys' Wear Exhibition
17-21 February, Olympia, London

IEA '80 International Instruments Electronics and Automation Exhibition
25-29 February, National Exhibition Centre, Birmingham

Iphex '80 International Pneumatics and Hydraulics Exhibition Incorporating Compressors and Power Transmission Equipment
25-29 February, National Exhibition Centre, Birmingham

Brewex '80 International Brewing, Bottling and Allied Trades Exhibition
17-21 March, National Exhibition Centre, Birmingham

Pakex '80 International Packaging Exhibition
17-21 March, National Exhibition Centre, Birmingham

Communications '80, Communications Equipment and Systems Exhibition
14-18 April, National Exhibition Centre, Birmingham

Opportunities '80, International Job Fair
May, Earls Court, London

Hevac '80 International Heating, Ventilating and Air Conditioning Exhibition
19-23 May, National Exhibition Centre, Birmingham

International Materials Handling Exhibition
2-7 June, National Exhibition Centre, Birmingham

World Wine Fair
July, Exhibition Centre, Bristol

MAB International Menswear Fair
September, Earls Court, London

International Carpet Fair
2-5 September, The Exhibition Centre, Harrogate

Ipex '80 International Printing Machinery Exhibition
11-19 September, National Exhibition Centre, Birmingham

Export Services Exhibition
December,
National Exhibition Centre, Birmingham

Other events
Interbake – International Bakers' and Confectioners' Exhibition
International Laundry, Cleaning Equipment and Services Exhibition
Interplas '81 – International Plastics and Rubber Exhibition
Natprint – National Printing Machinery Exhibition

3 MISSIONS
Where BOTB support is planned or under consideration

Canada 10-19 November 1979. Agricultural Engineers Association (R. Wilson, 01-828 7973). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date 11.7.79.

UNDER CONSIDERATION

1980

USA, Canada January 1980. British Ceramic Manufacturers Federation (N. Nelson, Stoke-on-Trent 48631). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA January 1980. Scottish Development Agency (W. R. V. Percy, 031-343 1911). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Venezuela 4-9 February 1980. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela, Colombia, Trinidad and Tobago 5-26 February 1980. South Bucks and East Berks Chamber of Commerce (Mrs D. J. Phillips, Slough 33633). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela, Colombia February 1980. Birmingham Engineering and Building Centre (D. W. Perkins, 021-643 1914). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Panama, Costa Rica and Guatamala February 1980. London Chamber of Commerce and Industry (J. M. Worsley, 01-248 4444). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela February 1980. Edinburgh Chamber of Commerce (D. W. Mowat, 031-225 5851). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela, Colombia, Chile, Argentina, Brazil February 1980. Gauge and Toolmakers Association (A. R. Smith, High Wycombe 444645). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

USA February 1980. Birmingham Chamber of Commerce of Industry and Commerce (T. A. Jackson, 021-454 6171). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA February 1980. Society of Motor Manufacturers and Traders (K. Wallis, 01-235 7000). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA February-March 1980. Manchester Chamber of Commerce (E. Tomlinson, 061-832 5574). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA February-March 1980. Scottish Development Agency (W. R. V. Percy, 031-343 1911). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Venezuela, Ecuador 7-21 March 1980. Leicester Chamber of Commerce (H. L. Milliard, Leicester 27171). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

USA 15-30 March 1980. Engineering Industries Association (W. E. Clayfield, 01-222 2367). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Brazil March 1980. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela late March 1980. Bristol Chamber of Commerce (Mrs B. Childs, Bristol 37081). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

USA 17-24 April 1980. British Educational Equipment Association (Ms L. J. Gale, 01-247 9320). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Argentina, Mexico 19 April-4 May 1980. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Canada, USA 21-30 April 1980. Wolverhampton Chamber of Commerce and Industry (M. Elsender, Wolverhampton 26726). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA April 1980. The North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA April 1980. British Printing Machinery Association (Mrs L. Fox, 01-405 9610). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA, Canada April 1980. Bradford Chamber of Commerce (M. A. Sewell, Bradford 28166). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA April-May 1980. British Food Export Council (A. M. A. Battle, 01-480 6594). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Venezuela, Mexico end April-early May 1980. Publishers Association (M. Rowland, 01-580 6321). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

USA 10-17 May 1980. Birmingham Engineering and Building Centre Ltd (D. W. Perkins, 021-643 1914). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Mexico 16-23 May 1980. Leicester Chamber of Commerce (H. L. Milliard, Leicester 27171). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Brazil May 1980. Birmingham Chamber of Commerce (Bryan Carnes, 021-454 6171). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Canada, USA May 1980. Sheffield Chamber of Commerce (J. L. Hall, Sheffield 730114). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Canada, USA May 1980. Association of Learned and Professional Society Publishers (R. J. Millson, Bury St Edmunds). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA May 1980. Bristol Chamber of Commerce, Industry and Shipping (Mrs B. Childs, Bristol 37081). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA May 1980. Scottish Development Agency (W. R. V. Percy, 031-343 1911). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA May 1980. Association of British Mining Equipment Exporters (R. Buckley, Sheffield 21071). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

USA 6-20 June 1980. Leicester Chamber of Commerce and Industry (H. L. Milliard, Leicester 27171). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA June 1980. British Carpet Manufacturers (G. H. Davidson, 01-839 2145). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Venezuela, Trinidad June 1980. Birmingham Chamber of Commerce (Bryan Carnes, 021-454 6171). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela June 1980. London Chamber of Commerce (J. M. Worsley, 01-248 4444). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

USA (New Orleans) 1980. London Chamber of Commerce and Industry (J. D. Nowson, 01-248 4444). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

USA (New York) 1980. London Chamber of Commerce and Industry (J. Macgregor, 01-248 4444). FPB contact Mrs W. M. MacIver ext. 7088. Cut off date not yet arranged.

Argentina First half 1980. South Bucks and East Berks Chamber of Commerce (Mrs D. J. Phillips, Slough 33633). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Caribbean scatter starting Suriname First half 1980. West India Committee (Col M. R. Robinson, 01-629 6353). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela First half 1980. Building Centre Group (D. Clayton, 01-637 1022). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Mexico First half 1980. Scientific Instrument Manufacturers Association (L. J. Nolder, 01-727 2614). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Brazil, Venezuela, Mexico, Chile First half 1980. Association of British Manufactuers of Photographic Ciné and Audio Visual Equipment (R. Saunders, Ruislip 34515). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Peru First half 1980. British Consultants Bureau (Lt Col J. A. Stevens, 01-839 7687). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Colombia, Ecuador First half 1980. Agricultural Engineers Association (D. Knapman, 01-828 7973). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela, Mexico First half 1980. Federation of Manufacturers of Construction Equipment and Cranes (D. L. Barrell, 01-353 3020). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Venezuela First half 1980. North Western Export Club (D. E. T. Cracknell, 02604 293). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Mexico First half 1980. Glasgow Chamber of Commerce (A. Duncan, 041-204 2121). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Brazil, Argentina First half 1980. Glasgow Chamber of Commerce (A. Duncan, 041-204 2121). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Colombia, Venezuela, Ecquador First half 1980. Leeds Chamber of Commerce (C. Wilson, Leeds 30491). FPB contact J. C. Saunders ext. 214. Cut off date not yet arranged.

Asia (Far East)

1979

Singapore, Indonesia 12-25 May 1979. Birmingham Chamber of Industry and Commerce (M. C. Pountney, 021-454 6171). FPB contact P. A. Greig ext. 363. Cut off date passed.

Hong Kong, Singapore 14-25 May 1979. Birmingham Engineering and Building Centre (D. W. Perkins, 021-643 1914). FPB contact Miss N. Neal ext. 7084. Cut off date passed.

Singapore 8-16 June 1979. Scottish Council Development and Industry (J. D. Anderson, 031-225 7911). FPB contact P. A. Greig ext. 363. Cut off date passed.

Hong Kong 10-15 July 1979. Scientific Instruments Manufacturers Association (L. J. Nolder, 01-437 0678). FPB contact Miss N. Neal ext. 7084. Cut off date passed.

South Korea 18-27 July 1979. Scientific Instrument Manufacturers Association (L. J. Nolder, 01-437 0678). FPB contact Miss N. Neal ext. 7084. Cut off date passed.

Singapore 24-31 August 1979. Leicester and County Chamber of Commerce (H. L. Milliard, Leicester 27171). FPB contact P. A. Greig ext. 363. Cut off date 24.4.79.

Korea (Republic of South Korea) 3-12 September 1979. Scottish Council Development and Industry (D. S. Reid, 031-225 7911). FPB contact Miss N. Neal ext. 7084. Cut off date 3.5.79.

Japan 10-21 September 1979. Export Council for the Jewellery and Giftware Federation (J. W. F. McConnell, 01-606 2451). FPB contact Miss N. Neal ext. 7084. Cut off date 10.5.79.

Hong Kong, Singapore, Malaysia 10-29 September 1979. Leeds Chamber of Commerce and Industry (C. Wilson, Leeds 30491). FPB contact P. A. Greig ext. 363. Cut off date 10.5.79.

India 15-29 September 1979. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 15.5.79.

Korea 17-28 September 1979. Association of Hydraulic Equipment Manufacturers (S. J. Brown, 01-834 0855). FPB contact Miss N. Neal ext. 7084. Cut off date 17.5.79.

Korea (Republic of South Korea) 17-28 September 1979. Bristol Chamber of Commerce (Mrs Childs, Bristol 37081). FPB contact Miss N. Neal ext. 7084. Cut off date 17.5.79.

Japan 17-28 September 1979. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact Miss N. Neal ext. 7084. Cut off date 17.5.79.

Japan 24 September-5 October 1979. Edinburgh Chamber of Commerce (D. Mowat, Edinburgh 22-5851). FPB contact Miss N. Neal ext. 7084. Cut off date 24.5.79.

Philippines Late Summer 1979. British Consultants Bureau (Col. J. A. Stevens, 01-839 7687). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

India or Pakistan Late Summer 1979. Manchester Chamber of Commerce (D. A. Arrandale, 061-832 5574). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Singapore 1-6 October 1979. Kent and Sussex Exporters Club (S. Robbens, Sevenoaks 58255). FPB contact P. A. Greig ext. 363. Cut off date 1.6.79.

Hong Kong, Japan 2-11 October 1979. Federation of British Audio (A. Terenzani, 01-734 7471). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Philippines, East Malaysia, Brunei 8-19 October 1979. London Chamber of Commerce (G. MacDonald, 01-248 4444). FPB contact P. A. Greig ext. 363. Cut off date 8.6.79.

Korea 15-26 October 1979. British Printing Machinery Association (Mrs L. Fox, 01-405 9610). FPB contact Miss N. Neal ext. 7084. Cut off date 15.6.79.

Singapore, Malaysia 18 October-3 November 1979. Wolverhampton Chamber of Commerce (C. J. Carder, Wolverhampton 26720). FPB contact P. A. Greig ext. 363. Cut off date 18.6.79.

Japan 22 October-2 November 1979. Northern Ireland Chamber of Commerce (B. Chalmers, Belfast 34488). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Hong Kong, Japan 22 October-9 November 1979. Society of Motor Manufacturers and Traders (K. Wallis, 01-235 7000). FPB contact Miss N. Neal ext. 7084. Cut off date 22.6.79.

Korea 29 October-9 November. Coventry Chamber of Commerce and Industry (A. Durham, 0203 51777). FPB contact Miss N. Neal ext. 7084. Cut off date 29.6.79.

Singapore, Malaysia October 1979. British Stationery and Office Products Association (L. Pagiero, 01-580 9256). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Singapore 5-9 November 1979. British Food Export Council (B. Emrys-Roberts, 01-480 6594/5). FPB contact P. A. Greig ext. 363. Cut off date 5.7.79.

Philippines and Scatter SE Asia 5-12 November 1979. British Management Training Export Council (S. Brown, 01-445 5356). FPB contact P. A. Greig ext. 363. Cut off date 5.7.79.

Japan 5-16 November 1979. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact Miss N. Neal ext. 7084. Cut off date 5.7.79.

Japan 12-23 November 1979. London Chamber of Commerce (Miss D. Wright, 01-248 4444). FPB contact Miss N. Neal ext. 7084. Cut off date 12.7.79.

Korea 12-23 November 1979. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact Miss N. Neal ext. 7084. Cut off date 12.7.79.

Singapore, Malaysia, Hong Kong 16 November-7 December 1979. Cardiff Chamber of Commerce and Industry (R. C. Smale, Cardiff 21648). FPB contact P. A. Greig ext. 363. Cut off date 16.7.79.

Thailand, Malaysia, Singapore 26 November-14 December 1979. North of England Development Council (A. Wilson Stockton-on-Tees 612525). FPB contact P. A. Greig ext. 363. Cut off date 26.7.79.

1980

Singapore, Malaysia First Half 1980. Dundee and Tayside Chamber of Commerce (H. Terrell, Dundee 22122). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Singapore, Malaysia May 1980. Walsall Chamber of Commerce (N. E. Turner, Walsall 25671). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

UNDER CONSIDERATION

1979

India September 1979. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

India October 1979. Manchester Chamber of Commerce (D. Arrandale, 061-832 5574). FPB contact Ms. A. V. Woodward ext. 7243. Cut off date not yet arranged.

India December 1979. London Chamber of Commerce (E. MacDonald, 01-248 4444). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

1980

Japan, Hong Kong January 1980. British Knitting Export Council and British Menswear Guild (A. R. Bickell, 01-734 6277). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

India January-February 1980. Birmingham Engineering and Building Centre (D. Perkins, 021-643 1914). FPB contact Ms A. V. Woodward, ext. 7243. Cut off date not yet arranged.

India, Pakistan 1-17 February 1980. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Hong Kong, Japan 26 February-2 March 1980. Scottish Council Development and Industry (R. S. Reid, 031-225 7911). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Singapore, Malaysia, Hong Kong February 1980. Dundee and Tayside Chamber of Commerce (H. Terrell, 041-204 2121). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Indonesia February 1980. British Agricultural Export Council (Mr A. Barcroft, 01-245 9891). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Hong Kong, Malaysia, Singapore, Thailand February 1980. British Health-Care Exports Council (J. Harris, 01-580 7912). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Thailand, Philippines, Singapore February 1980. South Wales Exporters Club (Cecil Blanch, Cardiff 885701). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Indonesia, Philippines February-March 1980. The Publishers Association (M. Rowland, 01-580 6321). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Philippines, Korea 7-21 March 1980. Birmingham Chamber of Commerce and Industry (T. A Jackson, 021-454 6171). FPB contact D. J. Malley ext. 7051. Cut off date not yet arranged.

Japan, Hong Kong March 1980. British Food Export Council (B. E. Roberts, 01-480 6594). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Singapore, Philippines March 1980. Birmingham Engineering and Building Centre (D. W. Perkins, 021-643 1914). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Japan March 1980. Coventry Chamber of Commerce and Industry (A. Durham, Coventry 51777). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

India Spring 1980. Publishers Association (M. Rowland, 01-580 6321). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

India Spring 1980. Federation of Sussex Industries (Mrs N. Potter, Brighton 26282). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Japan, Hong Kong April 1980. Westminster Chamber of Commerce (J. B. Turner, 01-734 2851). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Japan April 1980. Publishers Association (M. Rowland, 01-580 6321). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Hong Kong April 1980. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Malaysia, Singapore April-May 1980. South Bucks and East Berks Chamber of Commerce (J. Peck, Slough 33633). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

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3 MISSIONS
Where BOTB support is planned or under consideration

Hong Kong 10-31 May 1980. Engineering Industries Association (Ms A. Small. 01-222 2367). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Korea, Hong Kong, Singapore May 1980. Building Materials Export Group (Ms J. Tomlinson, 01-636 6920). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Singapore May 1980. Kent and Sussex Exporters Club (T. P. Veitch, Tunbridge Wells 23039). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Singapore, Manila, Hong Kong May 1980. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Singapore May 1980. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Singapore, Malaysia May 1980. Walsall Chamber of Commerce (N. E. Turner, Walsall 25671/2). FPB contact P. A. Greig ext. 363.Cut off date not yet arranged.

Japan May 1980. Federation of British Hand Tool Manufacturers (W. R. Eccles, Sheffield 663084). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Japan, Korea May 1980. Defence Manufacturers Association (Col. J. Jack, Guildford 35355). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Hong Kong, Singapore May-June 1980. Northern Ireland Chamber of Commerce and Industry (G. Auret, Belfast 44113). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Singapore, Thailand May-June 1980. Defence Manufacturers Association (Brigadier R. H. Purvis, Guildford 35355). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Japan 7-21 June 1980. Birmingham Engineering and Building Centre (D. W. Perkins, 021-643 1914). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Korea June 1980. Engineering Industries Association (Ms A. Small, 01-222 2367). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Thailand June 1980. Birmingham Chamber of Commerce (T. A. Jackson, 021-454 6171). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Japan First half 1980. Development Corporation of Wales (M. Lewis, Cardiff 21208). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Korea First half 1980. London Chamber of Commerce and Industry (Miss D. Wright, 01-248 4444). FPB contact Miss N. Neal ext. 7084. Cut off date not yet arranged.

Singapore, Thailand First half 1980. British Printing Machinery Association (Ms L. Fox, 01-405 9610). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Malaysia, Thailand, Indonesia, Philippines First half 1980. Association of Hydraulic Equipment Manufacturers (S. J. Brown, 01-834 0855). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Asia (Middle East)

1979

Syria, Iraq 30 April-11 May 1979. Birmingham Chamber of Industry and Commerce (G. Ashmore, 021-454 6171). FPB contact Ms A. V. Woodward ext. 7243. Cut off date passed.

Kuwait, Gulf States 4-18 May 1979. Building Materials Export Group (Ms J. Towlinson, 01-636 6920). FPB contact Ms A. V. Woodward ext. 7243. Cut off date passed.

Syria, Jordan 21 June-5 July 1979. London Chamber of Commerce (M. Petheram, 01-248 4444). FPB contact Ms A. V. Woodward ext. 7243. Cut off date passed.

Kuwait, Qatar, Abu Dhabi, Dubai, Oman, Bahrain 7-26 September 1979. Cardiff Chamber of Commerce (R. C. Smale, Cardiff 21648). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 7.5.79.

Jordan, Syria, Lebanon 15 September-3 October 1979. South Bucks and East Berks Chamber of Commerce (Mrs D. Phillips, Slough 33633). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 15.5.79.

Saudi Arabia 16-27 September 1979. Birmingham Chamber of Industry and Commerce (T. A. Jackson, 021-454 6171). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 27.5.79.

Egypt 21-28 September 1979. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact S. Mummery ext. 576. Cut off date 18.5.79.

Kuwait 28 September-5 October 1979. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 28.5.79.

Bahrain Gulf Scatter 5-19 October 1979. Kirkless and Wakefield Chamber of Commerce (K. P. Welton, Huddersfield 26591/2). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 5.6.79.

Qatar and Gulf Scatter 5-19 October 1979. Kent and Sussex Exporters Club (S. V. Robens, Sevenoaks 58255). FPB contact Ms A. V. Woodward ext. 72431. Cut off date 5.6.79.

Kuwait, Abu Dhabi, Dubai, Oman 14-18 October 1979. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 14.7.79.

Tunisia, Morocco 5-16 November 1979. London Chamber of Commerce (E. R. H. Hudepohl, 01-248 4444). FPB contact D. J. Malley ext. 7051. Cut off date 5.8.79.

Kuwait, Gulf 16-30 November 1979. Engineering Industries Association (Miss V. A. How, 01-222 2367). FPB contact Ms A. V. Woodward ext. 7243. FPB contact 16.7.79.

Egypt 30 November-11 December 1979. South Bucks and East Berks Chamber of Commerce (Mrs D. Phillips, Slough 33633). FPB contact D. J. Malley ext. 7051. Cut off date 31.7.79.

Saudi Arabia 30 November-13 December 1979. London Chamber of Commerce. (M. Petheram, 01-248 4444). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 31.7.79.

Kuwait, Qatar, Oman 30 November-14 December 1979. Scottish Council Development and Industry (D. S. Reid, 031-225 7911). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 27.7.79.

Jordan, Lebanon 3-14 December 1979. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact Ms A. V. Woodward ext. 7243. Cut off date 3.8.79.

UNDER CONSIDERATION

1979

Iran, Iraq Autumn 1979. Coventry Chamber of Commerce (A. Durham, Coventry 51777). FPB contact Ms A. V. Woodward ext. 7243. Cut off date note yet arranged.

1980

Gulf States 11-24 January 1980. Leicester Chamber of Commerce (C. J. Illiffe, Leicester 27171). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Saudi Arabia 11-25 January 1980. Coventry Chamber of Commerce (A. Durham, Coventry 51777). Ms. A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States 18-28 January 1980. Birmingham Chamber of Commerce (G. Ashmore, 021-454 6171). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Egypt, Sudan January 1980. Agricultural Engineers Association (E. C. Lanning 01-828 7973). FPB contact S. Mummery ext. 576. Cut off date not yet arranged.

Gulf States January 1980. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Iraq, Jordan, Syria January 1980. Agricultural Engineers Association (R. Wilson, 01-828 7973). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Saudi Arabia January 1980. Dundee and Tayside Chamber of Commerce (J. Aitken, Dundee 22122). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Saudi Arabia January-February 1980. Cardiff Chamber of Commerce (R. C. Small, Cardiff 21648). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Algeria, Egypt, Tunisia, Greece February 1980. Gauge and Toolmakers Association (A. R. Smith, 0494 444645). FPB contact S. Mummery ext. 576. Cut off date not yet arranged.

Gulf States February 1980. Manchester Chamber of Commerce (D. M. Arrandale, 061-832 5574).FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States February-March 1980. Kent and Sussex Exporters Club (S. Robbens, Sevenoaks 58255). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States February-March 1980. British Knitting Export Council (A. R. Bicknell, 01-734 6277/8). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf, Iraq, Egypt Feburary-March 1980. Building Materials Export Group (Miss J. Tomlinson, 01-636 6920). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States 2-14 March 1980. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States March-April 1980. British Furniture Manufactuers Association (J. Dials, 01-724 0854/5/6). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Egypt, Lebanon 19 April-3 May 1980. Birmingham Engineering and Building Centre (D. W. Perkins, 021-643 1914). FPB contact D. J. Malley ext. 7051. Cut off date not yet arranged.

Algeria, Morocco 28 April-9 May 1980. Birmingham Chamber of Commerce and Industry (T. A. Jackson, 021-454 6171). FPB contact D. J. Malley ext. 7051. Cut off date not yet arranged.

Gulf States April-May 1980. Northern Ireland Chamber (B. Chalmers, Belfast 34488). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Egypt June 1980. Building Centre Group (D. Clayton, 01-637 1022). FPB contact D. J. Malley ext. 7051. Cut off date not yet arranged.

Algeria June 1980. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact D. J. Malley ext. 7051. Cut off date not yet arranged.

Kuwait First half 1980. Business Equipment Trade Association (R. D. D'Urban, 01-405 6233). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Saudi Arabia, United Arab Emirates First half 1980. Walsall Chamber of Commerce (N. E. Turner, Walsall 25671/2). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Middle East Scatter First half 1980. British Food Export Council (B. Emrys-Roberts, 01-480 6594). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Iraq, United Arab Emirates First half 1980. Association of British Pharmaceutical Industries (N. G. Nodder, 01-734 9061). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Lebanon, Syria, Jordan First half 1980. Building Materials Export Group (Miss J. Tomlinson, 01-636 6920). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Yemen Arab Republic First half 1980. London Chamber of Commerce (M. Petheram, 01-248 4444). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States First half 1980. London Chamber of Commerce (M. Petherham, 01-248 4444). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Gulf States First half 1980. Building Centre Group (D. Clayton, 01-637 1022/1197). FPB contact Ms A. V. Woodward ext. 7243. Cut off date not yet arranged.

Australasia

1979

Australia, New Zealand 12-31 May 1979. Scottish Council Development and Industry (Miss M. Bell, 031-225 7911). FPB contact P. A. Greig ext. 363. Cut off date passed.

Australia, New Zealand 9-28 July 1979. Engineering Industries Association (Miss A. Small, 01-222 2367). FPB contact P. A. Greig ext. 363. Cut off date passed.

Australia, New Zealand 30 July-4 August 1979. Ship and Boat Builders National Federation (Mrs A. M. Greenslade, Weybridge 54511). FPB contact P. A. Greig ext. 363. Cut off date 30.3.79.

Australia 3-14 September 1979. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact P. A. Greig ext. 363. Cut off date 3.5.79.

Australia, New Zealand 10 September-2 October 1979. British Fabric Association (N. M. Tremlett, 01-580 4535). FPB contact P. A. Greig ext. 363. Cut off date 10.5.79.

Australia Autumn 1979. Association of British Oceanic Industries (M. Armstrong, 01-930 1696). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

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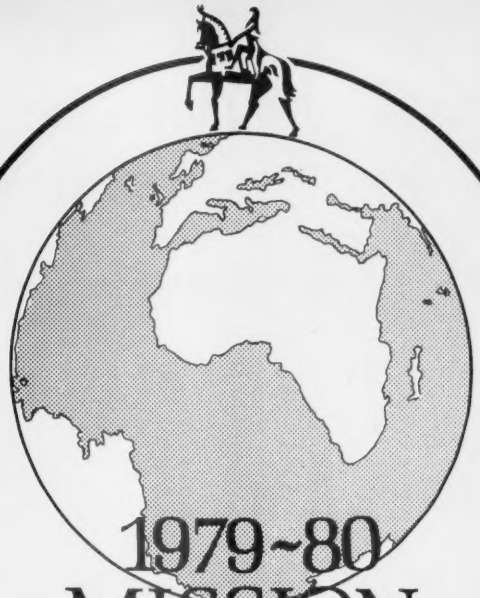

1979~80
MISSION
PROGRAMME

DURING 1979-80 THE COVENTRY CHAMBER OF COMMERCE WILL BE SPONSORING THE FOLLOWING OUTWARD TRADE MISSIONS –

		Government Grant
SEPTEMBER-DECEMBER 1979		
Trinidad	2-8 Sept.	£330
Egypt	21-28 Sept.	£155
U.S.A. (Chicago)	9-19 Oct.	£240
Oman/Dubai/Abu Dhabi/ Kuwait	14-28 Oct.	£305
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Australia	12-23 Nov.	£515
Jordan/Lebanon	3-14 Dec.	£185
JANUARY-JUNE 1980		
Venezuela	February	£355
Saudi Arabia	February	£260
Japan	11 April	£505
Egypt	April	£185
Australia	14 April-2 May	£515
Mexico	5-10 May	£295
Singapore	12-18 May	£385

Coventry Chamber of Commerce & Industry
(Incorporated)

123 St. Nicholas Street, COVENTRY CV1 4FD
Tel: Coventry 51777 Telex: 311033
President: G.N. Jackson, JP.
Director: Brian Willis, F.Inst.Pet., AMBIM.
Secretary: Roger Millington, ACIS, AMBIM., AMIEX.

For further information please telephone Roger Millington or Alan Durham on Coventry 51777 or complete tear-off strip.

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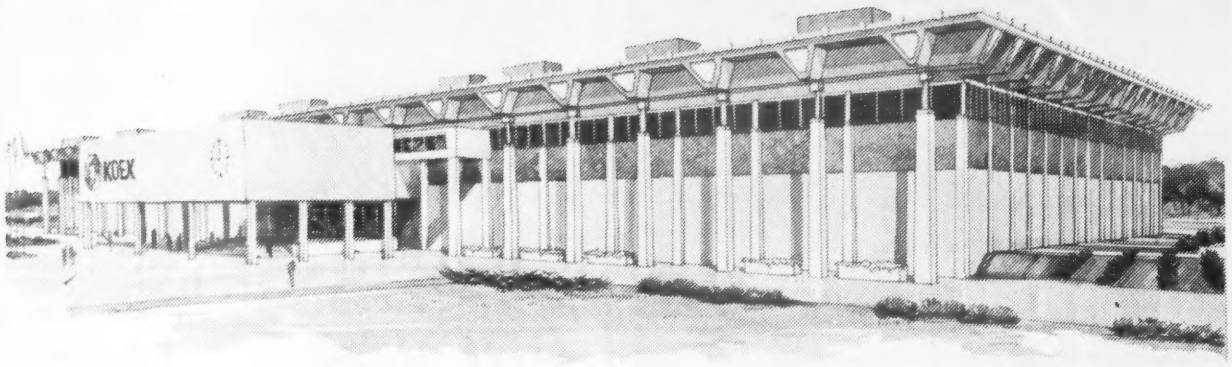

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Australia, Singapore 7-21 October 1979. British Stationery and Office Products Federation (L. Paglier0, 01-405 9610). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Australia 29 October-16 November 1979. Sheffield Chamber of Commerce (D. F. Hambridge, Sheffield 730114). FPB contact P. A. Greig ext. 363. Cut off date 29.6.79.

Australia October 1979. Defence Manufacturers Association (Col. J. L. Jack, Guildford 35355). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

New Zealand 5-13 November 1979. Birmingham Chamber of Industry and Commerce (G. Ashmore, 021-456 6171). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Australia, New Zealand 26 November-14 December 1979. Westminster Chamber of Commerce (J. Turner, 01-734 2851). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Australia, New Zealand November 1979. Coventry Chamber of Commerce and Industry (A. Durham, Coventry 51777). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

Australia, New Zealand November-December 1979. East London And South West Essex Export Club (Mrs J. M. Clarkson, 01-606 6551). FPB contact P. A. Greig ext. 363. Cut off date not yet arranged.

UNDER CONSIDERATION

1979

Australia, New Zealand 1979. Electronic Components Industry Federation (W. Barrett, 01-437 4127). FPB contact P. A. Greig, ext. 363.

Australia 1979. Society of British Aerospace Co (J. Hartley, 01-839 3231. FPB contact P. A. Greig, ext. 363.

New Zealand 1979. Nationalised Industries Overseas Group (A. H. K. Slater, 01-235 1212). FPB contact P. A. Greig, ext. 363.

Australia 1979. British Printing Machinery Association (Mrs L. Fox, 01-405 9610). FPB contact P. A. Greig, ext. 363.

1980

Australia, New Zealand January-February 1980. Federation of Sussex Industries (Mrs N. Potter 2273 26282). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand between January and March 1980. Irish Linen Guild (M. Elson, 01-629 0288). FPB contact P. A. Greig, ext. 363.

Australia February-March 1980. North Staffs Chamber of Commerce (J. Glover, 0782 44731/2). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand March 1980. London Chamber of Commerce (Ms D. Wright, 01-248 4444). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand March 1980. Society of Motor Manufacturers and Traders (K. Wallis, 01-235 7000). FPB contact P. A. Greig, ext. 363.

Australia March 1980. Birmingham Chamber of Commerce (T. A. Jackson, 021-454 6171). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand March 1980. British Jewellery and Giftware Federation (J. W. F. McConnell, 01-606 0871/2451). FPB contact P. A. Greig, ext. 363.

Australia April 1980. British Menswear Guild (A. R. Bicknell, 01-434 1894). FPB contact P. A. Greig, ext. 363.

Australia April 1980. Coventry Chamber of Commerce (A Durham, 0203 51777). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand April-May 1980. Leeds Chamber of Commerce (C. Wilson, 0532 30491). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand May 1980. Scottish Council Development and Industry (R. S. Reid, 031-225 7911). FPB contact P. A. Greig, ext. 363.

Australia 1980. British Food Export Council (Ms P. Platten, 01-480 6594/5). FPB contact P. A. Greig, ext. 363.

Australia June 1980. British Ceramic Manufacturers Association (N. Nelson, 0782 48631). FPB contact P. A. Greig, ext. 363.

Australia, New Zealand June 1980. Agricultural Engineers Association (R. Wilson, 01-828 7973). FPB contact P. A. Greig, ext. 363.

Europe

1979

Finland 16-22 May 1979. British Food Export Council (B. J. Emrys-Robers, 01-480 6594). FPB contact S. P. Mummery ext. 576. Cut off date passed.

Finland 3-6 June 1979. British Knitting Export Council (A. R. Bicknell, 01-734 6277). FPB contact S. P. Mummery ext. 576. Cut off date passed.

Greece 18-22 June 1979. North of England Development Council (A. Wilson, Stockton-on-Tees 612525). FPB contact S. P. Mummery ext. 576. Cut off date passed.

USSR 8-14 July 1979. Glasgow Chamber of Commerce (J. Holme, 041-204 2121). FPB contact S. P. Mummery ext. 576. Cut off date passed.

Greece 24 September-5 October 1979. London Chamber of Commerce and Industry (H. I. MacDonald, 01-248 4444). FPB contact S. P. Mummery ext. 576. Cut off date 30.6.79.

Hungary 7-13 October 1979. Scottish Council Development and Industry (D. S. Reid, 031-225 7911). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

USSR 7-13 October 1979. Leicester Chamber of Commerce (H. L. Milliard, Leicester 27171). FPB contact S. P. Mummery ext. 576. Cut off date 13.6.79.

USSR 29 October-2 November 1979. Scottish Council Development and Industry (Mary Bell, 031-225 7911). FPB contact S. P. Mummery ext. 576. Cut off date 28.6.79.

Czechoslovakia October 1979. Manchester Chamber of Commerce (Mrs I. K. Conway, 061-832 5574). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Poland, Hungary 12-23 November 1979. North of England Development Council (A. Wilson, 0642 612525). FPB contact S. Mummery ext. 576. Cut off date not yet arranged.

Greece, Israel 29 October-14 November 1979. British Agricultural Export Council (R. Elsy, 01-248 9819) FPB contact S. P. Mummery ext. 576. Cut off date 29.6.79.

Greece, Israel 29 October-14 November 1979. Agricultural Engineers Association (C. C. Wilson, 01-828 7973). FPB contact S. P. Mummery ext. 576. Cut off date 29.6.79.

UNDER CONSIDERATION

1980

Turkey, Egypt January-February 1980. Defence Manufacturers Association (Col J. Jack, Guildford 35355). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

USSR 24-29 February 1980. North of England Development Council (A. Wilson 0642 612525). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Greece February 1980. Gauge and Toolmakers Association (T. E. Williams 0494 444645). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Greece, Cyprus March 1980. Birmingham Chamber of Commerce (T. L. Edgar, 021-454 6171). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

USSR Spring 1980. Birmingham Chamber of Commerce (M. C. Pountney, 021-454 6171). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

USSR Spring 1980. London Chamber of Commerce (S. J. D. Nowson, 01-248 4444). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Finland Spring 1980. Leicester Chamber of Commerce (R. Milliard, Leicester 27171). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Finland Spring 1980. Scottish Council Development and Industry (Miss Mary Bell, 031-225, 7911). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Finland Spring 1980. London Chamber of Commerce (J. Readman, 01-248 4444). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Poland May 1980. Birmingham Chamber of Commerce (M. C. Pountney, 021-454 6171). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Hungary, Romania, Bulgaria, Yugoslavia May 1980. Gauge and Toolmakers Association (T. E. Williams, 0494 444645). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

Finland Summer 1980. British Knitting Export Council (A. Bicknell, 01-734 6277). FPB contact S. P. Mummery ext. 576. Cut off date not yet arranged.

4

OTHER OVERSEAS FAIRS

Events listed in section 1 are not included in section 4.

Inquiries
Requests for information about trade fair costs and conditions should be made to the organisers or their UK agents whose names and addresses may be obtained from the Department of Trade's Fairs and Promotions Branch, Hillgate House, 26 Old Bailey, London EC4M 7HU (01-248 5757 ext. 7171).
* Event held annually at approximately the time stated.
† Event held in alternate years at approximately the time stated.

General

1979

ZAGREB: International Spring Fair. April 1979.

LILLE: International Trade Fair. April 1979.

DUBAI: International Spring Fair. 12-22 April 1979.

BORDEAUX: International Trade Fair. May 1979.

PARIS: International Trade Fair (Foire de Paris). 28 April-13 May.

SOUTH AUSTRALIA, WAYVILLE: Adelaide International Expo. 18-27 May 1979.

METZ: International Industrial Goods Fair (Equipex). June 1979.

MOZAMBIQUE: International Trade Fair (Facim). August-September 1979.

NEW ZEALAND: Wellington World Trade Fair. 21 August-2 September 1979.

SALONIKA: 44th Salonika International Trade Fair. 9-23 September 1979.

STRASBOURG: International Trade Fair. September 1979.

ZAGREB: International Autumn Fair. 14-23 September 1979.

BUDAPEST: International Autumn Consumer Goods Fair. 14-23 September 1979.

SANTIAGO: International Fair (FISA). 25 October-11 November 1979.

1980

MARSEILLES: International Spring Fair. April 1980.

LILLE: International Trade Fair. April 1980.

ZAGRED: International Spring Fair. April 1980.

LYON: International Trade Fair. April 1980.

METZ: International Spring Fair (Expometz). April 1980.

PARIS: International Trade Fair (Foire de Paris). April 1980.

BORDEAUX: International Trade Fair. May 1980.

MARSEILLES: International Trade Fair. September 1980.

4 OTHER OVERSEAS FAIRS

ZAGREB: International Autumn Fair. September 1980.

STRASBOURG: International Trade Fair. September 1980.

MELBOURNE: Melbourne Centenary International Exhibition 1980. September 1980.

ESSEN: Consumer Trade Fair. 18-26 October 1980.

METZ: Internal Autumn Fair. October 1979.

ESSEN: Consumer Trade Fair. 13-21 October 1979.

BORENORE (New South Wales): Australian National Field Day. 12-15 November 1979.

BERLIN: Christmas Fair 1979. 1-16 December 1979.

Agriculture, forestry, fishing and agricultural machinery

1979

BAGHDAD: Agricultural Fair. 7-17 April 1979.

PORTUGAL, BRAGA: Agricultural Fair (Agro '79). 21-29 April 1979.

SOFIA: Equipment Machinery and Instrumentation for all sections of the Agriculture (Bulagrama '79). 28-31 May 1979.

PORTUGAL, SANTAREM: National Agricultural fair. June 1979.

HAMILTON: 11th New Zealand Field Day Show. 14-16 June 1979.

AVEIRO (Portugal): Agricultural Fair. 14-22 July 1979.

BRISBANE: Royal National Show. 9-18 August 1979.

KINGSTHORPE: Farm Festival (Farmfest '79). September 1979.

WAYVILLE S.A.: Royal Adelaide Show. 7-15 September 1979.

MELBOURNE: Royal Melbourne Show. 17-27 September 1979.

TASMANIA: Royal Hobart Show. 22-27 October 1979.

LISBON: 3rd International Agriculture Exhibition (Filagro). 2-11 November 1979.

BORENORE: Australian National Field Day. 12-15 November 1979.

1980

PARIS: Leisure Power Cultivation Show. March 1980.

SYDNEY: Forest Industries Machinery Exposition (Fime '80). 15-17 April 1980.

NOVI-SAD: International Agricultural Exhibition. May 1980.

BRISBANE: Royal National Show. 7-16 August 1980.

STUTTGART: 89th Royal Show (Landwirtschaftlicheshauptfest). 27 September-5 October 1980.

HOBART: Royal Hobart Show. 20-25 October 1980.

Aircraft and aeronautical equipment

1979

MOSCOW: International Exhibition of Passenger Service and Airport Operation. 22-31 May 1979.

1980

TOULOUSE: Aeronautical and Space Exhibition. June 1980.

Books and periodicals

1979

LAUSANNE: International Bookbinding Triennial. 1979.

NICE: International Book Festival. 4-9 May 1979.

GENEVA: 1st World Telecommunications and Electronics Book Fair. September 1979.

BELGRADE: International Book Fair. October 1979.

BERLIN: 28th International Book Exhibition. 11-21 November 1979.

1980

NICE: International Book Festival. May 1980.

Building, public works and construction

1979

BERLIN: International Conference on the Application of Computers in Architecture, Building Design and Urban Planning (ParC '79). 7-10 May 1979.

STUTTGART: International Trade Fair for Window Production for South-West German Glaziers (Fensterbau '79). 15-17 June 1979.

JOHANNESBURG: Public Works and Municipal Equipment (Civikon). 23-27 July 1979.

CAIRO: International Exhibition of Building Materials and Wood Furniture. July 1979.

BERLIN: German Industries Exhibition. September 1979.

PORTLAND: International Public Works Congress and Equipment Show. 15-20 September 1979.

CANBERRA: 2nd National Congress and Trade Exhibitions of the Building Owners and Managers Association of Australia. 16-18 September 1979.

OPORTO: 5th International Exhibition of Construction Materials. 5-14 October 1979.

BAGHDAD: International Exhibition for Construction and Building Equipment. 1-7 December 1979.

1980

ESSEN: International Exhibition of Brickwork Equipment + Transport with 3 day Brick and Tile Conference. 13-16 January 1980.

ESSEN: Real Property Trade Fair. 22-25 February 1980.

Chemicals and allied industries including plastics

1979

ZAGREB: International Exhibition of Plastics and Rubber (Plastex). April 1979.

SOFIA: Plastics and Additives (Bulchemia '79). 7-10 May 1979.

SALONIKA: International Plastics Exhibition. 12-19 May 1979.

EDMONTON: 1st International Petroleum Exhibition and Conference (Interscan). 25-28 September 1979.

1980

BOMBAY: Chem-Tech '80. 17-24 January 1980.

JOHANNESBURG: International Chemicals Exhibition (Chemex). 11-15 February 1980.

ZAGREB: International Plastics and Rubber Exhibition (Plastex). April 1980.

Clothing

1979

SYDNEY: 3rd Women's Ready-to-Wear Summer Fashion Fair (Style '80). May 1980.

ATHENS: 10th Hellenic International Fashion Fair. 16-19 June 1979.

BRISBANE: 3rd Brisbane Giftware Exhibition. September 1979.

MELBOURNE: 2nd National Ready-to-Wear Winter Fashion Fair. 13-16 October 1979.

MELBOURNE: Winter Fashion Fair (Style '79). 14-17 October 1979.

BERLIN: Fashion Week (including Interchic). October 1979.

MUNICH: International Fashion Week. October 1979.

BERLIN: Main Sampling (Interchic). 14-18 October 1979.

1980

SYDNEY: Children's Wear Fair '80. March 1980.

SYDNEY: 4th Men's Wear Summer Fair. March 1980.

SYDNEY: 3rd Women's Ready-to-Wear Summer Fashion Fair (Style '80). May 1980.

MELBOURNE: Winter Fashion Fair (Style '80). October 1980.

Engineering, electrical and electronic, including radio and television

1979

ATLANTA: 2nd International High Fidelity Show. 4-6 May 1979.

BAHRAIN: Middle East Electronic Communications Show and Conference (Mecom '79). 23-26 April 1979.

PHILADELPHIA: National Electronic Packaging and Production Conference and Exhibition. 15-17 May 1979.

SAN MATEO: Semicon West. 22-24 May 1979.

SYDNEY: 4th Australian Consumer Electronic Exhibition. 19-23 July 1979.

SINGAPORE: Computa '79. 11-14 August 1979.

MOSCOW: International Exhibition of Equipment for Production and Control of Electronic Devices 'Electronmash'. 11-21 October 1979.

CANNES: Market for Videocassette Programmes and Equipment (Vidcom). September 1979.

TORONTO: International Electronics Exposition. September 1979.

STUTTGART: Electronics and Mini-computer Industries (Electro-Hobby). 3-7 October 1979.

JOHANNESBURG: 11th Instrumentation, Electronic and Automation Fair. 15-19 October 1979.

SYDNEY: 5th International Electrical Electronic, Engineering, Measurement and Control Exhibition and Convention (EEEMC '79). 22-25 October 1979.

BARCELONA: International Electronic Exhibition (Sonimag). 22-28 October 1979.

BERLIN: Electrical Trade Show (El-Fa '79). 23-27 October 1979.

PARIS: Electrical Equipment Exhibition. 10-15 December 1979.

1980

BELGRADE: International Electronics Exhibition (Electronika). February 1980.

SYDNEY: Tenth International Congress and Trade Exhibition (together with satellite symposia in Adelaide and Perth) (Acoustics in the 1980s). 9-16 July 1980.

CANNES: Market for Videocassette Programmes and Equipment (Vidcom). September 1980.

MELBOURNE: Computers Electronic Technology, Instruments, Communications Exhibition (Cetia). October 1980.

MELBOURNE: 6th International Electrical, Electronic Engineering, Measurement and Control (EEEMC Exhibition and Convention). October 1980.

Engineering, other

1979

SALONIKA: International Engineering Exhibition. 12-19 May 1979.

JOHANNESBURG: International Components Exhibition (Componex). 11-15 June 1979.

PARIS: Design Engineering (Inova). 12-16 June 1979.

CLEVELAND: Iron and Steel Exposition. 24-27 September 1979.

MOSCOW: 2nd International Exhibition of Machinery for the timber and woodworking industry (Lesdrevmash). 29 August-12 September 1979.

1980

STUTTGART: 16th International Trade Fair for Energy and Engineering (Intherm '80). March 1980.

PARIS: International Woodworking Machinery Exhibition (Expobois). April 1980.

PARIS: French Machine Tool Welding Mechanical Equipment Exhibition. June 1980.

FRANKFURT: 5th International Dairy Engineering Exhibition. October 1980.

Foodstuffs, food machinery, hotel and catering equipment

1979

STUTTGART: Exhibition of Craft Bakers (Sudback '79). 28 April-2 May 1979.

MELBOURNE: International Catering Trade Fair (Foodservice '79). 3-6 June 1979.

MELBOURNE: National Accommodation and Catering Exhibition. August 1979.

MELBOURNE: Wine Exhibition (Expovin International). 14-21 October 1979.

MUNICH: 10th International Trade Fair of the Hotel and Catering Trades (Igafa '79). 19-24 October 1979.

MELBOURNE: Annual Food Convention and Exhibition. 22-25 October 1979.

LISBON: 2nd International Salon of Wines and Spirits (Vinifil). 2-11 November 1979.

CHICAGO: American Meat Institute. 3-6 November 1979.

THESSALONIKI: International Fair of Food, Beverages and Equipment (Detrop '79). 4-11 November 1979.

THESSALONIKI: 9th International Conference (Norcofel) (part of Detrop fair). 8-10 November 1979.

ABIDJAN: Salon Equipment Hotel Afrique. November 1979.

1980

BAHRAIN: Middle East Food and Equipment Show. 13-17 January 1980.

PARIS: International Exhibition of Confectionary, Chocolate and Biscuits (Intersuc). February 1980.

STUTTGART: International Trade Fair for the Hotel, Catering and Bakery Trades. 17-23 April 1980.

MELBOURNE: (Expovin International) Wine Exhibition. July-August 1980.

MELBOURNE: National Accommodation and Catering Exhibition. August 1980.

MELBOURNE or SYDNEY: National Council for Shopping Centres Convention and Exhibition. September 1980.

BRISBANE: Electrical Catering Expo. October 1980.

PARIS: Food Manufacturing Processing International Exhibition. November 1980.

PARIS: International Exhibition of Machinery and Techniques for the Meat Industry (Matic). November 1980.

Furniture, furnishings, household equipment and hardware

1979

MELBOURNE: Furniture Fashion Fair. 17 April-2 May 1979.

OPORTO: Furniture and Interior Decorating (Expomovel '79). 20-29 April 1979.

SYDNEY: 27th NSW Furniture Guild Exhibition. 11-16 May 1979.

BRISBANE: Hardware Promenade '79. 23-27 May 1979.

MELBOURNE: The 'Sun News-Pictorial' International Home Show. 18-26 August 1979.

MELBOURNE: Hardware Trade Fair. 5-7 September 1979.

PARIS: International Hardware Exhibition (Quojem). 23-26 September 1979.

SYDNEY: 'Telegraph' Homes Show. 26 September-1 October 1979.

LISBON: 3rd International Exhibition Furniture, Decoration, Lighting and Household Ware (Intercasas). 28 September-7 October 1979.

SYDNEY: Hardware Retailers Exhibition. 15-17 October 1979.

1980

PARIS: International Art of Homemaking Exhibition (Arts Menagers). March 1980.

PARIS: Materials and items to be used for the Manufacture of Furniture, Chairs and Bedding (Approfal). April 1980.

CAPE TOWN: Design for Living Exhibition. 30 May-7 June 1980.

PARIS: Exhibition of Interior Furnishings (Paritex). June 1980.

MELBOURNE: The 'Sun News-Pictorial' International Home Show. 23-31 August 1980.

PARIS: International Hardware Exhibition (Quojem). September 1980.

STOCKHOLM: International Carpet Exhibition (Golvex). September 1980.

MELBOURNE: Hardware Trade Fair. September 1980.

Gas and oil extraction and distribution including offshore activities

1979

TULSA: International Petroleum Exposition. 10-13 September 1979.

1980

BORDEAUX: International Exhibition on the Exploitation of the Oceans, Offshore Techniques, Shipbuilding, Sea Harbours and Equipments (Oceanexpo). 4-8 March 1980.

Heating and ventilating

1979

SINGAPORE: Enviro '79. 13-17 August 1979.

1980

ESSEN: Sanitary, Heating Equipment and Air Conditioning Exhibition. 6-9 March 1980.

Horticulture and horticultural equipment

1980

ESSEN: Hobby Gardening Trade Fair. 5-9 March 1980.

Hospital, medical, surgical and dental equipment

1979

BULGARIA: Medical Technology in Hospitals and the General Medical Practice (Bulmedica '79). 7-10 May 1979.

NUREMBERG: International Orthopaedic Technology Congress and Exhibition. 23-26 May 1979.

BERLIN: International Pharmaceutical and Medico-Technical Exhibition. 5-9 June 1979.

BERLIN: 12th German Congress for Dental Advanced Training. 5-9 June 1979.

BERLIN: 28th German Congress for Medical Advanced Training. 5-9 June 1979.

SYDNEY: 5th Labtronex-Medicare Exhibition and Convention. 17-20 July 1979.

BERLIN: Medical Informatics (Berlin '79). 17-20 September 1979.

SINGAPORE: Health Care '79. 19-23 June 1979.

MOSCOW: International Exhibition of Equipment for the Production of Medical Apparatus (Medtechnika'. 18-27 July 1979.

BRUSSELS: International Exhibition of Hospital and Medical Equipment. October 1979.

SYDNEY: 2nd International Child Neurology Congress and Exhibition. 26-30 November 1979.

WASHINGTON: American Association of Respiratory Therapy. 1-4 December 1979.

1980

PARIS: International Exhibition of Optical Goods and Materials (Silmo). May 1980.

Jewellery and giftware

1979

BERLIN: 9th FBK Free Berlin Art Exhibition. 8 April-6 May 1979.

SYDNEY: Spring Gift Fair. September 1979.

1980

PARIS: Exhibition of Art Manufacturers (Ateliers d'Art). January 1980.

SYDNEY: 11th International Gift and Trade Fair. February 1980.

MELBOURNE: Melbourne Giftware Exhibition. August 1980.

PARIS: Exhibition of Art Manufacturers (Ateliers d'Art). September 1980.

BRISBANE: Spring Giftware Trade Fair. September 1980.

SYDNEY: Spring Giftware Trade Fair. September 1980.

Leather, leather goods and fur

1979

SOFIA: Machines and Equipment for the Textile, Clothing, Shoe and Leather Goods Industry (Bultexma '79). 15-18 May 1979.

1980

PARIS: International Fur Trade Exhibition. April 1980.

CAIRO: International Exhibition of Leather Industry and Leather Products. October 1980.

Motor vehicles, motor cycles and cycles

1979

BUCHAREST: Auto Service. 17-20 April 1979.

PORTUGAL, BRAGA: International Show of Motor Vehicle Components (Siav '79). 2-10 June 1979.

PORTUGAL, BRAGA: International Show of Machine Tools and New Techniques for the Motor Vehicle Industry (Tecniauto '79). 2-10 June 1979.

ALBURY (NSW): International Trade Fair and Motor Show. 17-21 July 1979.

4 OTHER OVERSEAS FAIRS

MELBOURNE: Motor Parts Accessories and Equipment Show. 12-16 September 1979.

SOUTH AUSTRALIA (Wayville Show Ground): Adelaide Truck and Bus Show. November 1979.

1980

BELGRADE: International Motor Show. April 1980.

Office machinery and equipment

1979

SOFIA: Office and Organisation Technology, Data Processing (Bulorga). 7-10 May 1979.

ZAGREB: International Exhibition of Data Processing Systems and Office Equipment (Interbiro). October 1979.

BERLIN: Exhibition of the Office Industry (Buro-data Berlin '79). 10-13 October 1979.

1980

BAHRAIN: Middle East Business Equipment Show. 16-20 March 1980.

BRUSSELS: International Fair for Office Equipment and Data Processing (Bureau). September 1980.

MELBOURNE: Office Equipment Exhibition. 10-13 September

STUTTGART: National Office Trade Exhibition (das moderne buro). 23-27 September 1980.

ZAGREB: International Exhibition of Data Processing Systems and Office Equipment (Interbiro). October 1980.

Packaging machinery and materials including containers

1979

SOFIA: Packing and Materials Handling Technology (Bulpack '79). 15-18 May 1979.

JOHANNESBURG: International Processing, Packaging, Printing and Distribution Exhibition (Pakprocess). 20-24 August 1979.

BAHRAIN: Middle East Materials Handling Show. 22-25 October 1979.

POZNAN: International Packaging, Handling and Storage Equipment Exhibition (Tarapak). 14-19 October 1979.

1980

DAKAR: Packaging and Handling Trade Show. 29 January-3 February 1980.

Pottery and glass

1980

SYDNEY: 4th International China, Glassware and Tableware Trade Fair. February 1980.

PARIS: International Exhibition of China, Pottery, Silverware and Household Decoration Industries (Sife). April 1980.

Printing, stationery and printing machinery

1979

CHICAGO: Graph Expo. 23-26 April 1979.

PRAGUE: International Reprographic Fair (Repro). 4-17 June 1979.

POZNAN: International Exhibition of Printing Machines (Poligraphia). 14-19 October 1979.

1980

PARIS: International Professional Stationery Show (Sippa). February 1980.

Scientific instruments and nuclear equipment

1979

PRAGUE: International Specialised Exhibition and Symposium of Measuring and Control Techniques and Automatics (Praha). April 1979.

BUCHAREST: Nuclear Techniques. 5-8 June 1979.

MELBOURNE: 9th World Exhibition and Conference on Non-destructive Testing. 18-23 November 1979.

1980

BORDEAUX: International Exhibition and Colloquimon on Nuclear Techniques and New Sources of Energy (Energiexpo). January 1980.

ADELAIDE UNIVERSITY: 50th Congress of The Australian and New Zealand Association for Advancement of Science (ANZAAS) with exhibition. May 1980.

Ships and boats

1979

OSLO: International Shipping Exhibition (Nor Shipping). 7-12 May 1979.

MELBOURNE: Sailboat '79. 23-27 May 1979.

SYDNEY: Boating Exhibitions (Abtec '79). 11-14 June 1979.

SINGAPORE: Marintec Asia. 11-15 June 1979.

MELBOURNE: The 'Herald' National Boat Show and Camping Display '79. 30 June-8 July 1979.

WAYVILLE (SOUTH AUSTRALIA): Adelaide Boat Show. 12-16 July 1979.

HOBART: Boat-Leisure-Pleasure Show. August 1979.

SYDNEY: 12th Sydney International Boat Show. 3-8 August 1979.

FRIEDRICHSHAFEN: International Boat Show (Interboat). 29 September-7 October 1979.

LONG BEACH: Sailboat Show. 19-28 October 1979.

NEW ORLEANS: 2nd Annual Work Boat Show. November 1979.

1980

NEW ORLEANS: 3rd Annual Work Boat Show. January 1980.

SAN FRANCISCO: Sport and Boat Show. 12-21 January 1980.

MELBOURNE: Sailboat '80. 21-25 May 1980.

MELBOURNE: The 'Herald' National Boat Show and Camping Display. 12-20 July 1980.

HOBART: Boat-Leisure-Pleasure Show. August 1980.

HAMBURG: Ship and Machinery Exhibition. September 1980.

Sports goods and camping equipment, including caravans

1979

MELBOURNE: Caravan and Camping Show. 10-16 May 1979.

SYDNEY: Leisure Wheels '79. 25-30 May 1979.

MELBOURNE: Poolside '79. 18-26 June 1979.

PARIS: Sports and Leisure Exhibition (Sisel). 9-11 September 1979.

MELBOURNE: Camp In. 26-30 September 1979.

ESSEN: International Caravan Exhibition. 29 September-7 October 1979.

PARIS: International Caravan Exhibition. 4-14 October 1979.

ZURICH: Swimming Pools and Sporting Equipment (Swissfit). 27 November-1 December 1979.

ESSEN: International Sports and Racing Cars Show. 29-November-7 December 1980.

1980

STUTTGART: International Exhibition for Caravans, Motors and Tourism (CMT '80). 19-27 January 1980.

SYDNEY: World Sports Expo '80. February 1980.

GRENOBLE: International Winter Sports Exhibition (SIG). March 1980.

ESSEN: German Camping Exhibition and International Exhibition of Mobilehomes. 22-30 March 1980.

MELBOURNE: Caravan and Camping Show. 8-14 May 1980.

MELBOURNE: Poolside '80. June 1980.

ESSEN: International Caravan Exhibition. 27 September-5 October 1980.

MELBOURNE: Camp-In '80. September/October 1980.

PARIS: International Caravan Exhibition. October 1980.

ESSEN: International Sports and Racing Cars Show. 1-9 December 1979.

Textiles and textile machinery

1979

LISBON: 1st International Salon Infancy and Youth (Juventus). 27 April-6 May 1979.

THESSALONIKI: International Fairs of Textile and Ready-to-Wear Fair (Textilia '79). 24-28 May 1979.

OPORTO: Portuguese Textile Week (Portex '79). 17-21 September 1979.

THESSALONIKI: International Fair of Textile and Ready-to-Wear Fair (Textilia '79). 25-29 November 1979.

Toys and games

1979

MELBOURNE: Australian Toy Fair '79 – Inc Games and Sporting Goods. 8-11 July 1979.

1980

PARIS: International Toy Fair. February 1980.

MELBOURNE: Australian Toy Fair '80 – Incorporating Games and Sporting Goods. 25-28 July 1980.

Watches and clocks

1979

MELBOURNE: 4th Melbourne Watch, Clock and Jewellery Trade Fair. August 1979.

UK businessmen going overseas

British businessmen intending to travel overseas are urged in their own interests to make the earliest possible contact, before going abroad, with the Export Services and Promotions Division of the Department of Trade (at the appropriate regional office for firms outside London, and Export House, 50 Ludgate Hill, London EC4M 7HU for firms in London and south-east England). The department, in co-operation with commercial officers at embassies, high commissions and consulates overseas, is in a position to provide advice when it is required, and to help, where appropriate, in making trade contacts related to the purpose of the visit. Even where a businessman does not require specific assistance it is valuable for him to meet the commercial officers to get up-to-date information about the market. The Department of Trade would therefore welcome receiving notification of any businessmen intending to travel overseas. To enable the overseas commercial officers to be of the greatest assistance to UK visitors the department needs to be able to brief the overseas officers as fully as possible.

1980

SYDNEY: 5th International Watch Clock and Jewellery Fair. February 1980.

MELBOURNE: Melbourne Watch, Clock and Jewellery Fair (concurrent with next event). August 1980.

Water, effluent and air treatment plant including anti-pollution, cleaning and refuse disposal equipment

1979

BUCHAREST: Prevention of Pollution. 22-25 May 1979.

Other specialised fairs

1979

ZAGREB: International Fair of Transport Communications and Mechanical Handling. April 1979.

PARIS: Energiexpo. 2-6 April 1979.

PARIS: Inova. 2-7 April 1979.

BUCHAREST: Fittings and Pumps. 10-13 April 1979.

CHICAGO: Energy and Home Improvement Fair. 18-22 April 1979.

STUTTGART: International Collectors' Fair (ISA '79). 28 April-2 May 1979.

MELBOURNE: Exhibition and Seminar (Interclean '79). 28 April-1 May 1979.

SOFIA: Bulgastra '79. 15-18 May 1979.

DONETSK: 8th International Coal Preparation Congress and Exhibition. 22-31 May 1979.

STUTTGART: International Viniculture and Cellar Management Exhibition (Intervitis '79). 23-29 May 1979.

ATHENS: The Translink Exchange (Translink '79). 24-28 May 1979.

MOSCOW: International Exhibition for Land Reclamation (Melioracia). 24 May-3 June.

ATLANTA: International Solar Energy Show. 28 May-1 June 1979.

STRASBOURG: World Inland Waterways and Ports Development Exhibition. 28 May-1 June 1979.

MELBOURNE: 3rd Asian and Pacific Trade Fair. 2-11 June 1979.

BUCHAREST: Computing Techniques. 12-15 June 1979.

MOSCOW: International Exhibition of Veterinary Preparations, Instruments and Equipment and 21 Veterinary Congress. 3-14 July 1979.

PADDINGTON (New South Wales): International Education Exhibition and Seminar (Edicare '79). 16-20 July 1979.

BERLIN: Modern Living with Antiques (Antiqua '79). 1-9 September 1979.

ISTANBUL: International Mining Exhibition. 15-22 September 1979.

SYDNEY: The International Pet and Gardening Products Trade Fair. 16-18 September 1979.

LENINGRAD: International Specialised Exhibition for Art Transformation and Warehousing Systems 'Interport'. 18-28 September 1979.

BERLIN: 17th Overseas Import Fair (Partners for Progress). 19-23 September 1979.

STUTTGART: Security and Safety for all (Sponsored by German Federation Government, Exhibition of Equipment used by Firebrigades, Police and Emergency Services etc). 26-30 September 1979.

STUTTGART: Innotex '79. 26-30 September 1979.

JOHANNESBURG: Business Efficiency Fair. 26 September-3 October 1979.

PARIS: Do-it-Yourself Exhibition (Bricolage). October 1979.

STUTTGART: Faresa/Fatrama/Mehana: 3 Associated Exhibitions for Automatic Production and Assembly Line Techniques, Manufacturers of Material Handling Equipment and Metalworking and Craft Industries. 6-10 October 1979.

BUDAPEST: 2nd International Exhibition of Environmental Protection (Proten Vita). 23-28 October 1979.

MELBOURNE: The Australasian Micrographics Congress and Exhibition. October-November 1979.

MELBOURNE: Road Show '79. October-November 1979.

BRISBANE: Telegraph Reacreation Show. October-November 1979.

HOUSTON: Coal Technology '79. 6-7 November 1979.

ESSEN: International Dog Show. 10-11 November 1979.

BERLIN: Hobbies, Pets and Plants. 21-25 November 1979.

CANBERRA: International Union of Geodesy and Geophysics. 2-15 December 1979.

LISBON: 1st International Salon for the promotion of development of Iberian Trade Portuguese and Spanish joint venture design, equipment, economy, tourist trade etc (Iberica '79). 4-9 December 1979.

PARIS: International Entertainment Technology and Leisure Equipment Exhibition (Forainexpo – Amusexpo). 11-14 December 1979.

1980

ESSEN: International Exhibition for Metalworking Equipment (Fametа '80). 1-12 February 1980.

BAHRAIN: Middle East Education Training and Sports Equipment. 16-20 March 1980.

BORDEAU: Oceanexpo. March 1980.

BASLE: 4th International Fair for Mechanical Handling (IFM '80). 4-12 March 1980.

ESSEN: Convention and Cycle Made Exhibition. 15-16 March 1980.

PARIS: International Exhibition of Advanced Transported Systems (Transportexpo). 15-19 April 1980.

ST LOUIS: American Foundrymen's Society Casting Congress and Exposition. 21-25 April 1980.

AMSTERDAM: International Safety Exhibition and 9th World Congress. 6-9 May 1980.

STUTTGART: 5th International Trade Exhibition for Home Improvement Supplies (DIY '80). 10-14 September 1980.

GENEVA: The International Exposition (Anti-Terreur). 26-29 September 1980.

STUTTGART: International Trade Exhibition for Swimming Pools, Health and Medical Baths and Saunas (Interbad '80). 8-12 October 1980.

CAIRO: International Educational Fair (Didarabia). October 1980.

PARIS: Do-it-Yourself Exhibition (Bricolage). November 1980.

ESSEN: International Dog Show. 15-16 November 1980.

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UK FAIRS

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* Event held annually at approximately the time stated.

† Event held in alternate years at approximately the time stated.

Agriculture, forestry, fishing and agricultural machinery

1979

STOKE MANDEVILLE: BOCM Silcock's European Poultry Fair. 23-24 May 1979. At BOCM Silcock's Development Farm. * Apply BOCM Silcock Ltd, Risborough Road, Stoke Mandeville, Bucks HP22 5XW (Aylesbury (0296) 612661).

BELFAST: 112th Annual Show and Industrial Exhibition. 23-26 May 1979. At Balmoral Showground. * Apply Royal Ulster Agricultural Society, King's Hall, Balmoral, Belfast BT9 6GW (Belfast (0232) 665225).

SHEPTON MALLET: Royal Bath and West Show. 30 May-2 June 1979. At Showground. * Apply Royal Bath and West and Southern Countries Society, Showground, Shepton Mallet, Somerset BA4 6QN (Shepton Mallet (0749) 3366).

MALVERN: Three Counties Agricultural Show. 12-14 June 1979. At Showground. * Apply Secretary, Three Counties Agricultural Society, The Showground, Malvern, Worcs WR13 6NN (Malvern 61731).

EDINBURGH: Royal Highland Show. 18-21 June 1979. At Royal Highland Showground, Ingliston. * Apply Royal Highland and Agricultural Society of Scotland, Ingliston, Newbridge, Midlothian EH28 8NF (Edinburgh (031) 333 2444).

NORWICH: Royal Norfolk Show. 27-28 June 1979. At Showground, New Costessey. * Apply Royal Norfolk Agricultural Association, Showground, Dereham Road, New Costessey, Norwich, Norfolk NQR 45J (Norwich (0603) 742000).

KENILWORTH: Royal International Agricultural Show. 2-5 July 1979. At National Agricultural Centre. * Apply Royal Agricultural Society of England, National Agricultural Centre, Stoneleigh, Kenilworth, Warwicks CV8 2LG (Coventry (0203) 56151).

HARROGATE: Great Yorkshire Show. 10-12 July 1979. At The Showground. * Apply Major-General G. de E. Collin, Yorkshire Agricultural Society, Hookstone Oval, Harrogate, North Yorkshire HG2 8PW (Harrowgate (0423) 61536).

BUILTH WELLS: Royal Welsh Show. 24-26 July 1979. At Showground, Llanelwedd. * Apply Royal Welsh Agricultural Society Ltd, Llanelwedd, Builth Wells, Powys, Wales LD2 3SY (Builth Wells (098 22) 36831).

KENILWORTH: Dairy Farming Event '79. 19-20 September 1979. At National Agricultural Centre. * Apply Royal Association of British Dairy Farmers, Robarts House, Rossmore Road, London NWL 6NP (01-723 8021).

LONDON: Royal Smithfield Show and Agricultural Machinery Exhibition. 3-7 December 1979. At Earls Court. * Apply Smithfield Show Joint Committee, S.M.M.T., 21-24 Grosvenor Place, London SW1X 7JF (01-235 7000).

Books and periodicals

1979

LONDON: The London Book Fair. 8-9 October 1979. At Grosvenor House Hotel. * Apply Exhibition Manager, London Book Fair, 16 Pembridge Road, London W11 3HL (01-229 1825).

Building, public works and construction equipment

1979

HATFIELD: SED (Site Equipment Demonstration). 24-26 April 1979. At Hatfield Demonstration Site. * Apply IPC Building and Contract Journals Ltd, Surrey House, 1 Throwley Way, Sutton, Surrey SM1 4QQ (01-643 8040).

LONDON: The London Building Products and Services Exhibition. 21-24 May 1979. At Olympia. * Apply Westbourne Exhibitions Ltd, Crown House, Morden, Surrey SM4 5EB (01-540 1101).

BIRMINGHAM: INTERBUILD (38th International Building and Construction Exhibition). 2-8 December 1979. At National Exhibition Centre. † Apply The Building Trades Exhibition Ltd, 11 Manchester Square, London W1M 5AB (01-486 1951).

1980

GLASGOW: SCOTBUILD (Scottish Building and Public Works Exhibition). 25-29 March 1980. At Kevin Hall. † Apply Scottish Industrial and Trade Exhibitions Ltd, 24 Hartington Place, Edinburgh EH10 4LE (Edinburgh (031) 229 6412).

Chemicals and allied industries, including plastics

1980

BRIGHTON: INTERPHEX (International Exhibition for the Pharmaceutical, Cosmetics, Toiletry, Perfumery and Allied Industries). 10-13 June 1980. At Metropole Exhibition Centre. † Apply BPS Exhibitions Ltd, 4 Seaford Court, 220/222 Great Portland Street, London W1N 5HH (01-388 2117).

BIRMINGHAM: EUROCHEM (International Chemical and Process Engineering Show and Conference). 23-27 June 1980. At National Exhibition Centre. * Apply Clapp and Poliak Europe Ltd, 232 Acton Lane, London W4 5DL (01-995 4806).

Clothing

1979

LONDON: MAB International Menswear Fair. 16-19 September 1979. At Earls Court. * Apply MAB International Menswear Fair Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

LONDON: 55th Junior Fashion Fair. 14-18 October 1979. At Westminster Exhibition Centre. * Apply National Children's Wear Association, 40-42 Oxford Street, London W1N 9FJ (01-636 1833/4).

LONDON: The London Collections. 15-19 October 1979. At Hotel Inter-Continental. * Apply Fashion Promotions, 32/34 Wellington Street, London WC2E 7BD (01-836 7342).

LONDON: London Fashion Exhibition. 17-20 October 1979. At Olympia. * Apply Philbeach Events Ltd, Earls Court Exhibition Centre, Warwick Road, London SW5 9TA (01-385 1200).

LONDON: The London Designer Collections. 18-21 October 1979. At Inn-on-the-Park Hotel. * Apply London Designer Collections, 36 Beauchamp Place, London SW3 1NU (01-581 2931).

Display and shop equipment

1979

BIRMINGHAM: SHOPEX INTERNATIONAL (International Self-Service, Display Equipment and Shopfitting Exhibition). 3-7 June 1979. At National Exhibition Centre. * Apply Westbourne Exhibition Ltd, Crown House, Morden, Surrey SM4 5EB (01-540 1101).

UK Fairs – general inquiries contact
01-248 5757 ext. 7109

Engineering, electrical and electronic, including radio and television

1979

LONDON: High Fidelity '79 Spring Exhibition. 24-29 April 1979. At Cunard International Hotel, Hammersmith. * Apply Emberworth Ltd, London House, Oxford Road, Stokenchurch, Bucks HP14 3SX (Radnage (024 026) 2674).

LONDON: 'APRS '79' (International Exhibition of Professional Recording Equipment). 20-22 June 1979. At Connaught Rooms, London WC2. * Apply Association of Professional Recording Studios, 23 Chestnut Avenue, Chorleywood, Herts WD3 4HA (Rickmansworth (87) 72907).

LONDON: TRANSDUCER '79 and TESTMEX '79 (Transducer Exhibition + Electronic Test and Measuring Instrumentation Exhibition). 19-21 June 1979. At Wembley Conference Centre. * Apply Trident International Exhibitions Ltd, Abbey Mead House, 23a Plymouth Road, Tavistock, Devon PL19 8AU (Tavistock (0822) 4671).

BRIGHTON: Microwave '79 Exhibition and 9th European Microwave Conference. 17-20 September 1979. At The Brighton Centre. Apply Microwave Exhibitions and Publishers Ltd, Temple House, 36 High Street, Sevenoaks, Kent TN13 1JG (Sevenoaks (0732) 59533).

LONDON: Control and Instrumentation Exhibition. 11-13 September 1979. At West Centre Hotel. † Apply Morgan-Grampian Ltd, 30 Calderwood Street, London SE18 6QH (01-855 7777).

BRIGHTON: INTERNEPCON/UK '79 and International Microelectronics Exhibition. 18-20 October 1979. At Metropole Exhibition Centre. * Apply Kiver Communications Ltd, Millbank House, 171-185 Ewell Road, Surbiton, Surrey KT6 6AX (01-390 0281).

LONDON: ELECTRONICS '79 (Electronic Components Industry Fair). 20-23 November 1979. At Olympia. * Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

1980

BRIGHTON: LIGHTSHOW '80. 20-24 January 1980. At Metropole Exhibition Centre. * Apply Decorative Lighting Association Ltd, Moelfre, Anglesey LL72 8LN (Moelfre (024 888) 396).

BIRMINGHAM: IEA/ELECTREX (International Electrical Electronic and Instrument Exhibition). 25-29 February 1980. At National Exhibition Centre. † Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

BRIGHTON: IBC '80 (International Broadcasting Convention). 20-24 September 1980. At Metropole Exhibition Centre. † Apply The Publicity Officer, Electronic Engineering Association, Leicester House, 8 Leicester Street, London WC2 7BN (01-437 0678).

Engineering, other

1979

LONDON: SHD '79 (Storage, Handling and Distribution Exhibition). 23-27 April 1979. At Earls Court. * Apply Turret Press Ltd, 886 High Road, Finchley, London N12 9SB (01-446 2411).

BIRMINGHAM: 'WELDEX' (International Welding, Cutting and Metal Fabrication Exhibition). 24-28 September 1979. At National Exhibition Centre. Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

BIRMINGHAM: PEMEC (Factory Management Show and Conference). 22-26 October 1979. At National Exhibition Centre. * Apply Clapp and Poliak Europe Ltd, 232 Acton Lane, London W4 5DL (01-995 4806).

1980

BIRMINGHAM: IPHEX (International Pneumatics and Hydraulics Exhibition Incorporating Compressors and Power Transmission Equipment). 25-29 February 1980. At National Exhibition Centre. † Apply Industrial and Trade Fairs Ltd, Radcliffe House, Bleinham Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

BIRMINGHAM: MACH '80 (International Exhibition of Machine Tools, Gauges and Tooling). 22 April-2 May 1980. At National Exhibition Centre. Apply Machine Tool Trades Association, 62 Bayswater Road, London W2 3PH (01-402 6674).

BIRMINGHAM: SUBCON (Exhibition for the Subcontract-

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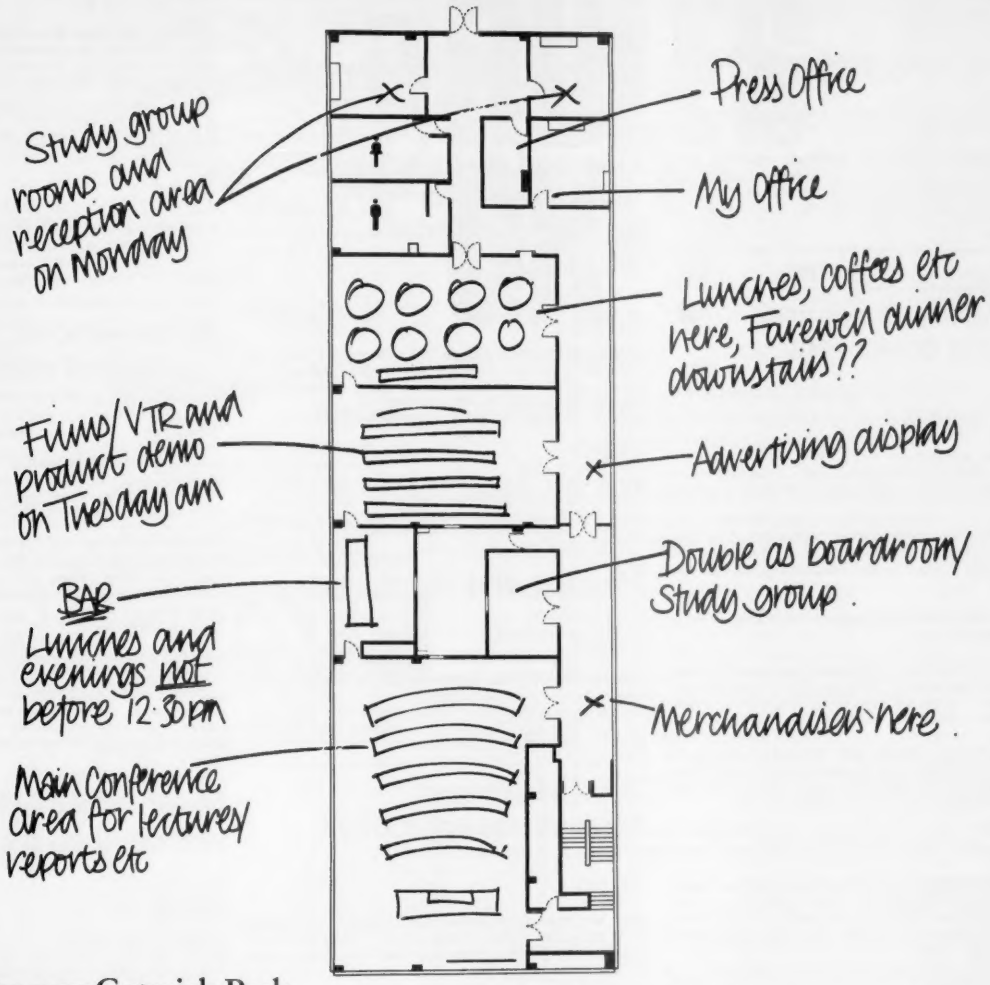
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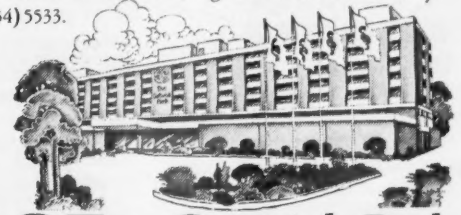

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ing Industries). 28 April-2 May 1980. At National Exhibition Centre. † Apply Interbuild Ltd, 11 Manchester Square, London W1M 5AB (01-486 1951).

BIRMINGHAM: Furnaces, Refractories, Heat Treatment and Fuel Economy Exhibition. 6-10 October 1980. At National Exhibition Centre. † Apply International Symposia and Exhibitions Ltd, Queensway House, 2 Queensway, Redhill, Surrey RH1 1QS (Redhill (0737) 68611).

BIRMINGHAM: International Materials Handling Exhibition. 2-7 June 1980. At National Exhibition Centre. Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

Foodstuffs, food machinery, hotel and catering equipment

1979

LEICESTER: International Food, Wine and Kitchen Exhibition. 23-28 April 1979. At Granby Halls. * Apply Antenas Ltd, 55 West Street, Marlow, Bucks SL7 2LF (Marlow (06284) 2442).

HARROGATE: The National Meat Trades Fair. 13-16 May 1979. At Exhibition Centre. † Apply Brintex Exhibitions Ltd, 178-202 Great Portland Street, London W1N 6NH (01-637 2400).

LONDON: DELEX '79 (Delicatessen International Exhibition). Postponed.

BIRMINGHAM: NALVEX '79 (National Licensed Victuallers and Caterers Exhibition). 21-24 May 1979. At National Exhibition Centre. * Apply LV Exhibitions, The Morning Advertiser, 57 Effra Road, London SW2 1DA (01-733 3186).

LONDON: Frozen Foods and Freezer Festival. 30 September-3 October 1979. At West Centre Hotel. * Apply Eagle Exhibition Consultants Ltd, Ludgate House, 110 Fleet Street, London EC4Y 8EB (01-353 4885).

1980

LONDON: HOTELYMPIA '80 (International Hotel and Catering Exhibition). 23-30 January 1980. At Olympia. † Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

Footwear

1979

LONDON: British International Footwear Fair – London. 30 September-3 October 1979. At Olympia. * Apply Shoe and Leather News (Exhibitions) Ltd, 84-88 Great Eastern Street, London EC2A 3ED (01-739 2071).

Furniture, furnishings, household equipment and hardware

1979

LONDON: The London Furniture Show. 20-24 May 1979. At Olympia. * Apply Philbeach Events Ltd, Earls Court Exhibition Centre, Warwick Road, London SW5 9TA (01-385 1200).

BIRMINGHAM: DECOR INTERNATIONAL (International Contract Furnishing and Interior Design Exhibition). 3-7 June 1979. At National Exhibition Centre. * Apply Westbourne Exhibitions Ltd, Crown House, Morden, Surrey SM4 5EB (01-540 1101).

HARROGATE: International Carpet Fair. 4-7 September 1979. At Exhibition Centre. * Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

BIRMINGHAM: Homes '79 Exhibition (formerly Birmingham International Ideal Homes Show). 20 September-6 October 1979. NOTE CORRECT DATES. At National Exhibition Centre. * Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

BIRMINGHAM: International Furniture Show. 13-18 November 1979. NOTE: 13-15 NOVEMBER TRADE/PRESS ONLY. At National Exhibition Centre. * Apply BFM Exhibitions Ltd, 30 Harcourt Street, London W1H 2AA (01-724 0851).

1980

BRIGHTON: INFEX '80 (International Floorcoverings Exhibition). 4-7 February 1980. At Metropole Exhibition Centre. * Apply Norco Exhibitions Ltd, 30 Southgate, Chichester, Sussex PO19 1DA (Chichester (0243) 88423).

Gas and oil extraction and distribution including offshore activities

1979

ABERDEEN: Offshore Europe '79 Exhibition. 3-7 September 1979. At Bridge of Don Showground. † Apply Spearhead Exhibitions Ltd, Rowe House, 55/59 Fife Road, Kingston-upon-Thames, Surrey KT1 1TA (01-549 5831).

1980

BRIGHTON: OI '80 (Oceanology International). 3-7 March 1980. At Metropole Exhibition Centre and Brighton Centre. Apply BPS Exhibitions Ltd, 4 Seaford Court, 220-222 Great Portland Street, London W1N 5HH (01-388 2117).

Heating and ventilating

1980

BIRMINGHAM: HEVAC (International Heating, Ventilating and Air Conditioning Exhibition). 19-23 May 1980. At National Exhibition Centre. † Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

Horticulture and horticultural equipment

1979

NEW MALDEN: International Groundsmans Exhibition. 11-13 September 1979. At Motspur Park. * Apply Institute of Groundsmanship, 108a Chessington Rd, West Ewell, Surrey KT19 9UR (01-393 8027).

BIRMINGHAM: GLEE (International Garden and Leisure Exhibition). 7-10 October 1979. At National Exhibition Centre. * Apply Inter Garden Promotions Ltd, Columbia House, 69 Aldwych, London WC2B 4DY (01-405 9292).

Hospital, medical, surgical and dental equipment

1979

LONDON: NAIDEX '79 (National Aids for the Disabled Exhibition). 20-23 November 1979. At Wembley Conference Centre. * Apply Naidex Conventions Ltd, Temple House, 36 High Street, Sevenoaks, Kent TN13 1JG (Sevenoaks (0732) 59533).

1980

LONDON: British Hospitals and Medical Exhibition. 3-6 June 1980. At Olympia. † Apply Fairs and Exhibitions Ltd, 21 Park Square East, Regents Park, London NW1 4LH (01-935 8200).

Jewellery and giftware

1979

LONDON: International Gifts Fair. 29 July-2 August 1979. At Olympia. * Apply Trade Promotion Services Ltd, Exhibition House, 6 Warren Lane, Woolwich, London SE18 6BW (01-855 9201).

EDINBURGH: Scottish Crafts Trade Fair. 2-4 October 1979. At Ingliston Showground. * Apply Scottish Development Agency, 102 Telford Road, Edinburgh EH4 2NP (Edinburgh (031) 343 1911).

AVIEMORE: Highland Trade Fair. 23-25 October 1979. At Aviemore Centre. * Apply Highlands and Islands Development Board, Bridge House, 27 Bank Street, Inverness IV1 1QR (Inverness (0463) 34171).

LONDON: Wholesale Buyer's Gifts Fair. 25-29 November 1979. At Mount Royal and Mostyn Hotels. * Apply Trade Promotion Services Ltd, Exhibition House, 6 Warren Lane, Woolwich, London SE18 6BW (01-855 9201).

Leather, leather goods

1980

BIRMINGHAM: Leather and Associated Trades Show. 29 April-1 May 1980. At National Exhibition Centre. * Apply The Leather Institute, Leather Trade House, 9 St Thomas Street, London SE1 9SA (01-407 1582).

Motor vehicles, motor cycles and cycles

1979

LONDON: Motor Cycle Show. 25 August-1 September 1979. At Earls Court. * Apply Motor Cycle Association of Great Britain Ltd, Starley House, Eaton Road, Coventry CV1 2FH, Warwicks (Coventry (0203) 27427).

LONDON: AUTOPARTAC '79 (International Automotive Parts and Accessories Trade Show). 20-24 October 1979. At West Centre Hotel. * Apply Auto Accessory Retailer, PO Box 4, 22a London End, Beaconsfield, Bucks HP9 2JQ (Beaconsfield 71246).

1980

LONDON: DRIVE ELECTRIC '80 International Conference and Exhibition. 14-17 October 1980. At Wembley Conference Centre. Apply Drive Electric '80, The Electricity Council, 30 Millbank, London SW1P 4RD (01-834 2333).

Music and musical instruments

1979

LONDON: The Live Music Show. 27 July-1 August 1979. NOTE: 29 JULY-1 AUGUST TRADE ONLY. At Olympia. * Apply Association of Musical Instrument Industries, 62 Park View, Hatch End, Pinner, Middlesex HA5 4LN (01-428 4700).

Office machinery and equipment

1979

LONDON: MICROFORUM Exhibition and Conference. 26-29 June 1979. At Wembley Conference Centre. * Apply Business Equipment Trade Association, 109 Kingsway, London WC2B 6PU (01-405 6233).

LONDON: International Word Processing Exhibition and Conference. 13-16 July 1979. At Wembley Conference Centre. * Apply Business Equipment Trade Association, 109 Kingsway, London WC2B 6PU (01-405 6233).

BIRMINGHAM: International Business Show. 23 October-1 November 1979. At National Exhibition Centre. † Apply Business Equipment Trade Association, 109 Kingsway, London WC2B 6PU (01-405 6233).

Packaging machinery and materials, including containers

1979

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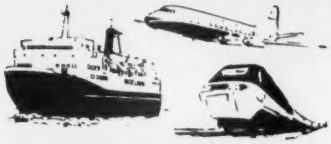

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5 UK FAIRS

tries Exhibition). 22-23 November 1979. At Olympia. Apply BPS Exhibitions Ltd, 4 Seaford Court, 220-222 Great Portland Street, London W1N 5HH (01-388 2117).

1980

BIRMINGHAM: BREWEX '80 (International Brewing, Bottling and Allied Trades Exhibition). 17-21 March 1980. At National Exhibition Centre. † Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

BIRMINGHAM: PAKEX '80 (International Packaging Exhibition). 17-21 March 1980. At National Exhibition Centre. † Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

Photographic equipment

1979

LONDON: FILM '79 (International Technology Conference and Exhibition). 2-6 July 1979. At Royal Lancaster Hotel. * Apply British Kinematograph, Sound and Television Society, 110-112 Victoria House, Vernon Place, London WC1B 4DJ (01-242 8400).

LONDON: Photolab Expo '79. 5-8 November 1979. At Alexandra Palace. † Apply Association of Photographic Laboratories, 50 Great Russell Street, London WC1B 3BA (01-405 2762).

Printing, stationery and printing machinery

1980

BIRMINGHAM: IPEX '80 (International Printing Machinery and Allied Trades Exhibition). 11-19 September 1980. At National Exhibition Centre. Apply Industrial and Trade Fairs Ltd, Radcliffe House, Blenheim Court, Solihull, West Midlands B91 2BG (Birmingham (021) 705 6707).

Scientific instruments and nuclear equipment

1980

LONDON: LABWARE '80 (Laboratory Equipment Exhibition). 22-24 April 1980. At Westminster Exhibition Centre. † Apply Labware Promotions Ltd, 28 Worple Road, Wimbledon, London SW19 4EE (01-947 5733).

Ships and boats

1979

SOUTHAMPTON: International Boat Show. 17-22 September 1979. At Mayflower Park. * Apply Artman Exhibitions, Exmoor House, Methuen Street, Southampton SO2 0FQ (Southampton (0703) 32348).

1980

BIRMINGHAM: Boat and Leisure Show. 16-24 February 1980. At National Exhibition Centre. * Apply The Birmingham Boat Shows Ltd, 28 Colmore Circus, Birmingham B4 6AX, West Midlands (Birmingham (021) 236 3366).

ABERDEEN: CATCH '80 (International Fisheries and Marine Equipment Exhibition). 25-28 June 1980. At Queens Links. † Apply Eagle Exhibition Consultants Ltd, Ludgate House, 110 Fleet Street, London EC4A 2JL (01-353 4885).

Sports goods and camping equipment including caravans

1979

BIRMINGHAM: ISLE (International Sports and Leisure Exhibition. 30 September-3 October 1979. At National Exhibition Centre. * Apply Federation of British Manufacturers of Sports and Games Ltd, 145 Oxford Street, London W1R 1TB (01-437 7281).

HARROGATE: Camping Trades Fair. 4-7 November 1979. At Exhibition Centre. * Apply Brintex Exhibitions Ltd, 178-202 Great Portland Street, London W1N 6NH (01-637 2400).

LONDON: Caravan Camping Holiday Show. 9-19 November 1979. At Earls Court. * Apply Angex Ltd, Temple House, Temple Avenue, London EC4Y 0JA (01-353 4000).

1980

LONDON: 22nd Annual Camping, Outdoor Holiday Exhibition and Motor Caravan Show. 28 December 1979-6 January 1980. At Olympia. * Apply Trades Exhibitions Ltd, Exhibition House, Spring Street, London W2 3RA (01-262 2886).

Textiles and textile machinery

1979

BIRMINGHAM: DACTEX (International Domestic and Contract Textiles Exhibition). 11-15 November 1979. At National Exhibition Centre. * Apply Exhibition Managements Ltd, Unit 2, Central Park Estate, Staines Road, Hounslow TW4 5DT (01-572 2121).

1980

MANCHESTER: KNITSEW (National Knitting and Sewing Trades Show). 24-27 February 1980. At Belle Vue. * Apply Exhibitions for Industry Ltd, 157 Station Road East, Oxted, Surrey RH1 0QF (Oxted (08833) 4371).

Toys and games

1979

LONDON: International Craft ahd Hobby Fair. 19-23 August 1979. At Wembley Conference Centre. * Apply International Craft and Hobby Fair Ltd, 3 Rothesay Drive, Highcliffe, Christchurch, Dorset BH23 4LB (Highcliffe (042 52) 72711).

1980

HARROGATE: 31st Harrogate International Toy Fair. 12-17 January 1980. At Exhibition Centre and major hotels. * Apply Harrogate International Toy Fair Ltd, 8/9 Upper Street, Islington, London N1 0PP (01-226 6653).

LONDON: British Toy and Hobby Fair. 26-30 January 1980. At Earls Court. * Apply British Toy Fairs (International) Ltd, 80 Camberwell Road, London SE5 0EG (01-701 7127).

BRIGHTON: Brighton Toy Fair. 2-5 March 1980. At The Brighton Centre. * Apply Toy Fairs (Southern) Ltd, 3 Rothesay Drive, Highcliffe, Christchurch, Dorset BH23 4LB (Highcliffe (042 52) 72711).

Watches and clocks

1979

LONDON: International Watch and Jewellery Trade Fair. 2-6 September 1979. At Earls Court. * Apply Iliffe Promotions Ltd, Dorset House, Stamford Street, London SE1 9LU (01-261 8000).

Water, effluent and air treatment plant including anti-pollution, cleaning and refuse disposal equipment

1979

LONDON: DUSTEX '79 (Dust Control, Air Filtration and Gas Cleaning Exhibition). 17-20 September 1979. At Olympia. † Apply Technology Exhibitions Ltd, 1 Katharine Street, Croydon, Surrey CR9 1LB (01-686 6339).

LONDON: FILTECH '79 (International Filtration and Separation Exhibition). 17-20 September 1979. At Olympia. † Apply Filtech Exhibitions Ltd, 1 Katharine Street, Croydon, Surrey CR9 1LB (01-686 6339).

1980

LONDON: ISWA (International World Waste Congress). 16-20 June 1980. At Wembley Conference Centre. Apply Institute of Solid Waste Management, 28 Portland Place, London W1N 4DE (01-580 5324).

Other specialised fairs

1979

HARROGATE: British Pet Industry Exhibition. 22-23 April 1979. At Exhibition Centre. * Apply 'Pet Store Trader', Old Colony House, South King Street, Manchester M2 2DA (Manchester (061) 834 8451).

LONDON: IFSSEC '79 (International Fire, Security and Safety Exhibition and Conference). 23-27 April 1979. At Olympia. * Apply Victor Green Publications Ltd, 106 Hampstead Road, London NW1 2LS (01-388 7661).

LONDON: EUCEPA '79 (European Cellulose and Paper Association International Conference and Exhibition). 21-24 May 1979. At Connaught Rooms and Waldorf Hotel. Apply James Brewster Associates Ltd, 97-99 Park Street, London W1Y 4NJ (01-408 2104).

LONDON: Fine Arts and Antiques Fair. 8-16 June 1979. At Olympia. * Apply Philbeach Events Ltd, Earls Court Exhibition Centre, Warwick Road, London SW5 9TA (01-385 1200).

LONDON: Grosvenor House Antiques Fair. 13-23 June 1979. At Grosvenor House. * Apply The Organiser, Grosvenor House Antiques Fair, Grosvenor House, Park Lane, London W1A 3AA (01-499 6363).

HARROGATE: Northern Antique Dealers Fair. 13-20 September 1979. At Royal Baths Assembly Rooms. * Apply Northern Antique Dealers' Fair Ltd, 408 Leeds Road, Bradford, Yorkshire BD3 9RE (Bradford (0274) 23223).

BRIGHTON: FIRETECH '79 (International Fire Protection and Control Exhibition and Conference). 18-21 September 1979. At Metropole Exhibition Centre. † Apply Brintex Exhibitions Ltd, 178-202 Great Portland Street, London W1N 6NH (01-637 2400).

LONDON: SALON '79 (Hair and Beauty Trade Fair). 6-9 October 1979. At Wembley Conference Centre. * Apply Iliffe Promotions Ltd, Dorset House, Stamford Street, London SE1 9LU (01-261 8000).

1980

LONDON: Amusement Trades Exhibition. 29-31 January 1980. At Alexandra Palace. * Apply Amusement Trades Exhibitions Ltd, 122 Clapham Common North Side, London SW4 9SP (01-228 4107).

LONDON: STAMPEX 1980. 5-9 February 1980. At Westminster Exhibition Centre. * Apply Stampex Ltd, 27 John Adam Street, London WC2N 6NH (01-930 6465).

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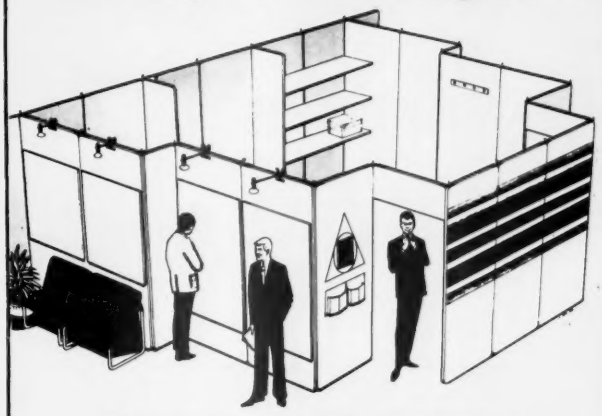

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Continued from page 120 before the Trade promotions guide.

Irish Republic

Excise duties. From 1 March, the two-tier VAT rates of 35 per cent and 40 per cent applying to cars, motor-cycles, televisions and records have been replaced by the single rate of 10 per cent. This reduction of VAT has coincided with new excise rates as follows:

	Duty
Vehicles	
Category A motor vehicles (ie motor vehicles, excluding ambulances and hearses) which are designed, constructed or adapted for the carriage of not more than 16 persons (inclusive of the driver), including such vehicles designed, constructed or adapted for the carriage of both passengers and goods or materials and which are of not more than 3 tons unladen weight and have, to the rear of the driver's seat, roofed accommodation which is fitted with side windows or which is constructed or adapted for the fitting of side windows):	35%
Category B motor vehicles (ie all motor vehicles not included in category A):	11.5%
Excise duty is not charged on motor vehicles designed and constructed primarily for off-road use (except for racing vehicles, scrambling vehicles and other sporting vehicles), agricultural tractors, two-wheeled tractors, fire-engines, fire-escapes, road sweepers, invalid carriages or armoured fighting vehicles.	
Televisions	
Colour televisions	
Maximum dimension of screen not exceeding:	
17 inches	£45 per television
17-24 inches	£56 per television
Over 24 inches	£69 per television
Monochrome televisions	
Maximum dimension of screen not exceeding:	
17 inches	£14 per television
Over 17 inches	£22 per television
Gramophone records	30%

Full details of the changes in excise duty are given in SI No. 57 of 1979: Imposition of Duties (No. 326) (Excise Duties on Motor Vehicles, Televisions and Gramophone Records) Order, 1979, available from the Government Publications Sale Office, GPO Arcade, Dublin 1, price 40p plus 8p postage.

SI No. 61 of 1979: Televisions and Gramophone Records Regulations, 1979, prescribes methods of securing and collecting the excise duties payable on televisions and gramophone records. It also lays down conditions relating to the licensing of manufacturers of televisions and gramophone records and to the warehousing of such goods (price 30p) available from GPSO, Dublin.

Inquiries: OTAR 01-248 5757 ext. 466/467.

Italy

Avoiding customs delays. All concerned with exporting goods to Italy (such as chambers of commerce) should add an Italian translation to the description of the exported goods, appearing on all export documents, including health certificates and certificates of origin.

Without an Italian translation Italian customs inspectors often find it difficult to identify the nature of the goods from the English description, which results in the consignment being inspected and thus leading to irritating delays.

Inquiries: OTAR 01-248 5757 ext. 466/467/288.

Jordan

Foodstuffs, etc. The British embassy in Amman has recently sent copies of the following 22 standards which are in force in Jordan:

Standard	Title
3	Olive oil
4	Liquid milk
7	Finished and concentrated feeds for chickens
14	Finished and concentrated feeds for dairy cattle
18	White sugar
21	Beer
32	Sodium chloride
35	Glucose Syrup
36	Methods of testing and analysis for white sugar
40	Vegetable ghee
41	Tomato paste
42	Finished and concentrated feeds for sheep
43	Hard candies
44	Milk ices, ice creams
47	Jams
66	Canned foul medames
67	Macoroni, spaghetti and vermicelli
68	Canned fish (anchovies, sardines, tuna)
71	Evaporated milk and skimmed sweetened condensed milk
73	Pickles
77	Artificial drink, natural drink, and artificial drink powder
79	Luncheon meat

Copies of the above standards are available, in Arabic only, from OTAR 01-248 5757 ext. 4062/420.

Kenya

Weights and measures. The Minister for Commerce and Industry announced on 7 March (Kenya *Gazette* supplement 11, 16 March), that from that date the Liquid Fuel (Bulk Measures) Rules 1979 will replace those of 1973.

Inquiries: OTAR 01-248 5757 ext. 472.

Luxembourg

Foodstuffs. The Luxembourg *Memorial* A-19, 9 March, published a decree dated 27 February 1979, fixing the maximum levels of hydrocarbon chlorine residues in foodstuffs of animal origin.

Copies of this decree (in French) are available from OTAR 01-248 5757 ext. 288/466/467.

Cosmetics. The Luxembourg *Memorial* A-21, 21 March, published a decree dated 5 March 1979, amending the decree of 24 October 1978 concerning cosmetic products. Copies of the decree (in French) are available from OTAR 01-248 5757 ext. 288/466/467.

Nigeria

Import controls. The Federal Commissioner for Finance, in the context of a recent budget statement, announced the following changes which have been published in the supplement to the *Official Gazette Extraordinary* 16, Vol. 66, 1 April 1979:

1 Additional prohibited imports: artificial flowers or fruits or parts thereof tariff no. (67.02), fireworks (36.05), footwear uppers (excluding soles and heels), toothpaste (33.06 B).
2 Further goods subject to import under licence only: frozen beef: 04.03; 10.01-10.04; 10.06; 10.07; 11.01; 17.01; 33.06; 39.02 D, 39.07 I J; Ch 39 (polythylene and regenerated cellulose film): 48.21; 55.05 A; 55.06 A; 57.03; 57.04; 62.01; footwear soles and heels: 68.12 B; 73.13 A; 73.17 C; 73.18 C; 84.41; and 87.14 B.
3 Various tariff amendments in respect of 03.01; 03.03; 25.18; 25.31; 32.13 A; 37.03; 39.02; 39.07 I J; 48.01 B; 49.11 C; 70.10 A; 73.13 C; 73.17 C; 73.18 C; 73.21 B; 76.04 A, 76.08 B; 84.12 B; 84.15; 84.41; 85.15 C; 87.03 A B; 92.11 B; and 92.12 A.
4 Machinery for irrigation can be imported duty free under an extension of the approved user's scheme; and a nominal excise duty was announced in respect of the sale of sound recorders, reproducers and record players; kerosene and gas cookers; clocks and watches; socks and stockings; mattresses and pillows; glassware; calendars, and greeting cards.

Inquiries: OTAR 01-248 5757 ext. 473.

Saudi Arabia

Foodstuff standards. The Saudi Arabian Standards Organisation has issued the following standards which are in force in Saudi Arabia:

Standard	Title
29	Edible maize oil
30	Physical and chemical methods for testing edible oils and fats
32	Methods of sampling prepackaged fruit and vegetable products
40	Pasteurised milk
43	Methods of microbiological examination of liquid milk
45	Methods of physical and chemical analysis of meat and meat products
47	Canned tuna
48	Methods of sampling fish, shell fish and their products
49	Methods for physical and chemical analysis of fish, shell fish, and their products
69	Cheese, hard semi-hard soft
70	Methods for the chemical analysis of cheese
71	Edible vegetable oils and fats
72	Methods of test for permitted additives in edible oils and fats
73	Benzoic acid sodium benzoate and potassium benzoate used in preservation of foodstuffs
74	Methods of test for benzoic acid sodium benzoate and potassium benzoate used in preservation of foodstuffs
75	Hermetically sealed round tin cans used for canning foodstuffs
76	Methods of test for hermetically sealed round tin cans used for canning foodstuffs
97	Sterilised milk
98	Raw milk
100	Methods of test for carbonated water and beverages
Other standards which are not at present in force are:	
88	Orange juice, concentrated orange juice and orange juice powder
89	Diluted orange juice, orange drink and orange nectar
90	Methods of test for fruit juices
95	Dried milk
96	Methods for the analysis of dried milk
101	Honey
102	Methods of test for honey
103	Methods of microbiological examination of meat, fish, shell fish and their products
104	Salts of sulphurous acid used in preservation of foodstuffs
105	Methods of test for salts of sulphurous acid, used in preservation of foodstuffs

Copies are available from OTAR 01-248 5757 ext. 7062/420.

South Africa

Tariff application. Customs tariff application list 11/79, published in the South African *Government Gazette*, 30 March, contains applications to the Board of Trade and Industries for increase in duty on:

1 Forged or rolled flanges, of iron or steel (excluding stainless steel), machined or unmachined:
A With an inside diameter of 200 mm or more but not exceeding 610 mm (excluding the slip-on type);
B Slip-on type, with an inside diameter of 200 mm or more but not exceeding 1210 mm;
classifiable under tariff subheading 73.20.90.

2 Plain shaft bearings, by the substituting of the following for tariff subheading 84.63.50:

Per cent

Tariff heading/Description	Rate of duty General
84.63.50	
Plain shaft bearings and bushes, including half shaft bearings, whether or not in sets:	
.10 Spherical plain shaft bearings	Free
.20 With an inside diameter not exceeding 125 mm per bearing (excluding spherical plain shaft bearings)	35
.90 Other	20

The above duties to be applicable also to plain shaft bearings and bushes, including half shaft bearings, whether or not in sets, imported with unassembled motor vehicles (not incorporated in engines), classifiable under tariff subheadings 87.01.60, 87.02.15, 87.02.22, 87.02.24, 87.02.60, 87.02.67 and 87.02.70, and with unassembled chassis (not incorporated in engines), classifiable under tariff subheadings 87.04.20 and 87.04.25.

Note: This notice supersedes tariff application list 15/78 published on 16 June 1978, *Government Gazette* 6034, 2 June 1978.

Those British trade organisations thought to be interested in the applications are being informed. Any British firm affected which wishes to make representations to the South African Board of Trade and Industries and belongs to a trade organisation should, therefore, first contact its own trade association.

If any firm proposes to make independent representations to the South African Authorities and requires further information concerning the applications, it should address inquiries to CRE 01-215 5274.

Customs tariff changes. The following amendments were published in the South African *Government Gazette*, 16 March:

R.484, CCCN 38.19: Subheading 38.19.70 is restated.
R.485, CCCN 59.08 and 59.12: Subheadings 59.08.90 and 59.12.70 are restated.
R.486, CCCN 82.14: Subheading 82.14.01 is restated.

Industrial rebate
R.487, item 311.04, CCCN 58.07: The provision for a rebate of duty on fringing for the manufacture of shawls is withdrawn.

Inquiries: OTAR 01-248 5757 ext. 471/472/473/462.

Tariff application. Customs tariff application list 12/79, published in the South African *Government Gazette*, 6 April, contains applications to the Board of Trade and Industries for increase in duty on:

1 The under-mentioned azo pigment dyestuffs of the following description and international colour index numbers:
A CI pigment, yellow 12, no. 21090, and
B CI pigment, yellow 13, no. 21100,
classifiable under tariff subheading 32.05.90.
2 Hairbrushes, beard brushes, hair dyeing brushes and bath brushes, classifiable under tariff subheading 96.01.13.20.
Note: This application supersedes the application published in tariff application list 10/79.

Those British trade organisations thought to be interested in the applications are being informed. Any British firm affected which wishes to make representations to the South African Board of Trade and Industries and belongs to a trade organisation should, therefore, first contact its own trade association.

If any firm proposes to make independent representations to the South African authorities and requires further information concerning the applications, it should address inquiries to CRE 01-215 5274.

Sweden

Agricultural import levies. The State Agricultural Board has announced that the agricultural levies for certain items contained in the following headings have been amended from 2 April 1979:

11.02, 17.01, 17.02, 23.02, 23.03, 23.06

Inquiries: OTAR 01-248 5757 ext. 459.

United States

Lifesaving equipment. The *Federal Register*, 15 March, published an advance notice of proposed rulemaking, by the Department of Transportation, which establishes structural and performance standards for inflatable personal flotation devices (PFDs), and procedures for granting approval to those devices which meet these standards. PFDs have previously been precluded from Coast Guard approval.

Comments must be received on or before 15 June 1979.

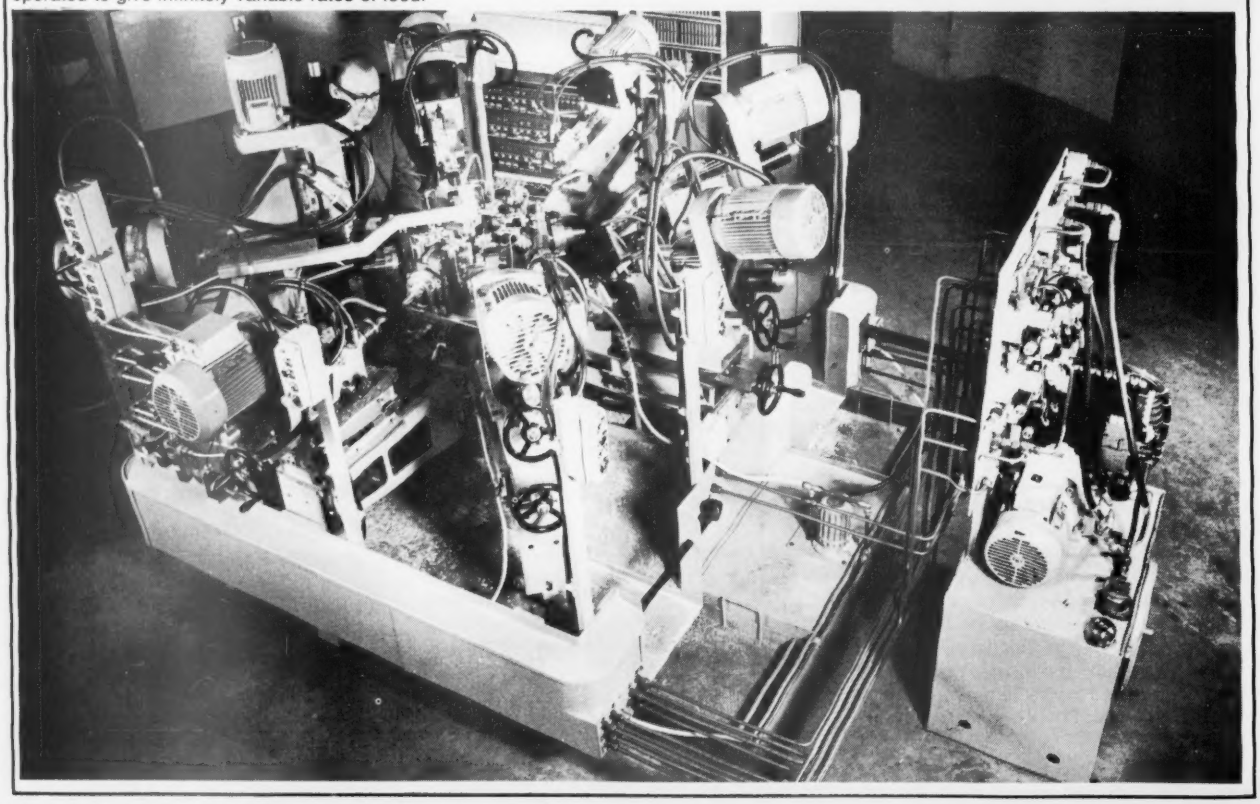
Inquiries: CRE 01-215 5629.

Acidified foods. The *Federal Register*, 16 March, published a final rule by the Food and Drug Administration revising the current good manufacturing practice for low acid canned foods in hermetically sealed containers.

A copy of the text is available from OTAR 01-248 5757 ext. 456/457/7312.

Worcester firm builds rotary transfer machines for Romania

One of two identical eight-station rotary transfer machines purpose-built by Mechanised Assembly of Worcester to finish machine jaw and keyholes in four sizes of chuck for a major Romanian manufacturer. The control system is solid state, incorporating logic cards, and with independent switching of drill heads. Rotary transfer table and fixtures index hydraulically while heads are electrically driven and hydraulically operated to give infinitely variable rates of feed.



Statistics

The economy: selected indicators[1]

Series are seasonally adjusted except where shown otherwise

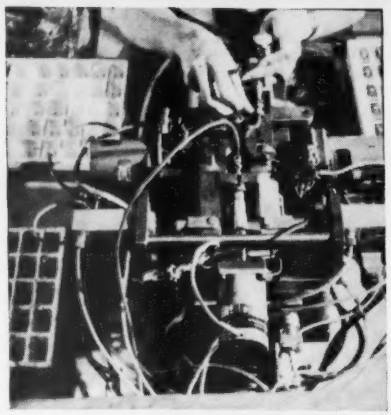
	Gross domestic product (average estimate)	Consumers' expenditure	Fixed capital expenditure			Changes in stocks				Balance of payments		
				of which			of which					
			Total	Manufacturing industry	Distributive and service industries excl. shipping	Total	Manufacturing industry	Wholesalers'	Retailers'	Current balance	Visible balance	Invisible balance
	at 1975 prices		at 1975 prices			at 1975 prices				at current prices		
Base of index Series in Stock level at end-1977	1975	£ million	£ million			34,469	19,995	£ million 4,540	3,181	£ million		
1973	103.3	65 586	21 609	3 504	4 674	2 983	1 336	432	624	−999	−2 383	1 384
1974	101.4	64 212	21 175	3 822	4 605	1 462	1 288	361	−180	−3 591	−5 235	1 644
1975	100.0	63 385	20 488	3 522	3 841	−1 625	−1 221	−249	−100	−1 843	−3 236	1 393
1976	102.9	63 540	20 395	3 345	3 926	260	316	131	13	−1 137	−3 601	2 464
1977	104.9	62 954	19 961	3 573	4 325	978	442	266	29	298	−1 744	2 042
1978	108.1	66 397	20 514	3 848	4 681	962	595	−15	333	254	−1 175	1 429
1976 2nd qtr	102.4	15 834	5 107	828	972	−74	−29	−10	−67	−328	−949	621
3rd qtr	103.3	15 934	5 177	849	1 005	163	99	81	46	−411	−1 136	725
4th qtr	104.2	16 007	4 955	856	1 014	259	260	17	27	−315	−966	651
1977 1st qtr	103.8	15 622	4 821	851	1 030	430	235	82	117	−428	−946	518
2nd qtr	104.5	15 551	5 010	879	1 044	293	97	179	4	−297	−779	482
3rd qtr	105.0	15 876	5 057	910	1 103	−70	−6	−80	−59	522	−3	525
4th qtr	106.5	15 905	5 073	932	1 149	325	116	85	−33	501	−16	517
1978 1st qtr	105.9	16 296	5 151	923	1 162	291	38	81	62	−341	−596	255
2nd qtr	108.4	16 487	5 161	963	1 173	280	272	−62	128	146	−173	319
3rd qtr	109.2	16 858	5 147	981	1 161	302	175	45	54	51	−367	418
4th qtr	108.8	16 756	5 055	982	1 184	89	111	−79	89	398	−39	437
% change last 2 qtrs on prev. 2 qtrs.	+1.7	+2.5	−1.1	+4.1	+0.4							
on a year earlier	+3.1	+5.8	+0.7	+6.6	+4.1							

	Industrial production		Personal expenditure		Prices and earnings					Labour (UK)				Visible trade (volume)	
	Total all industries	Total manufacturing industries	Retail sales	Cars: new registrations	Retail prices		Wholesale prices: all manufacturing industry		Average gross earnings of all employees (GB, all industries and services covered)	Unemployed excluding school leavers and adult students		Unfilled vacancies for adults		Export	Import
				monthly averages		% increase on a year earlier	basic materials and fuel used	manufactured products: home sales		mid-month count	% of total employees	mid-month count		On a balance of payment basis	
	at 1975 prices		at 1971 prices		(not seasonally adjusted)				(old series)					at 1975 prices	
Base of index £m in base year Series in	1975	1975	1971 16,296	thousands	Jan. 1974		1975	1975	Jan. 1970	thousands		thousands		1975 19,463	1975 22,699
1973	109.5	108.4	110.3	137.1	93.5	9.1	58.8	66.7	152.1	611.0	2.6	307.0		97.7	108.8
1974	105.1	106.5	109.0	102.8	108.5	16.0	86.8	81.8	179.1	599.7[2]	2.6[2]	302.7[2]		104.2	109.7
1975	100.0	100.0	106.7	97.2	134.8	24.2	100.0	100.0	226.6	929.0	3.9	150.0[2]		100.0	100.0
1976	102.0	101.4	106.5	104.7	157.1	16.5	127.0	117.3	261.9	1 269.8[2]	5.4[2]	120.4[2]		109.7	105.6
1977	105.8	102.8	103.6	107.1	182.0	15.8	145.6	140.5	288.5	1 378.1	5.8	155.6[2]		118.9	107.2
1978	109.7	103.6	109.2	130.1	197.1	8.3	144.6	153.3	330.2	1 375.6	5.8	210.3		122.9	112.6
1977 1st qtr	105.6	103.9	103.3	104	174.1	16.5	144.8	133.0	280.0	1 329.5	5.6	..		115.9	108.8
2nd qtr	105.5	102.4	102.4	103	181.9	17.4	148.8	139.6	285.3	1 340.6	5.6	157.7		117.7	110.6
3rd qtr	106.2	103.0	104.2	112	184.7	16.5	146.5	143.8	288.3	1 414.6	5.9	151.9		124.6	107.3
4th qtr	105.8	101.8	104.7	110	187.4	13.1	142.2	145.8	300.4	1 427.8	6.0	160.1		117.3	102.3
1978 1st qtr	107.0	102.2	106.4	131	190.6	9.5	140.2	149.2	310.8	1 409.4	5.9	187.7		119.6	113.5
2nd qtr	110.8	104.5	107.9	132	195.8	7.7	146.3	151.8	329.0	1 372.7	5.7	210.3		122.2	109.7
3rd qtr	111.5	105.1	110.7	135	199.2	7.8	144.9	154.8	334.6	1 380.5	5.8	213.0		124.8	114.9
4th qtr	109.7	102.5	111.7	123	202.6	8.1	147.1	157.3	346.4	1 339.7	5.6	230.3		124.8	112.3
1979 1st qtr					208.9	9.6				1 350.7	5.7	234.6			
1978 Mar	106.8	102.4	107.2	145	191.8	9.1	142.0	150.0	314.8	1 400.0	5.9	195.8		120.4	116.3
Apr	111.1	105.1	106.9	134	194.6	7.9	145.1	150.9	325.7	1 387.1	5.8	203.7		124.3	104.8
May	110.1	103.5	108.2	126	195.7	7.7	146.8	151.9	327.2	1 366.4	5.7	209.9		120.5	113.3
Jun	111.1	105.0	108.6	135	197.2	7.4	147.0	152.7	334.0	1 364.7	5.7	217.4		121.9	111.1
Jul	111.6	105.0	111.0	109	198.1	7.8	145.8	153.8	332.7	1 371.4	5.7	211.0		125.7	114.3
Aug	112.1	105.8	111.7	148	199.4	8.0	144.2	154.8	333.2	1 392.1	5.8	209.3		124.5	111.3
Sep	110.7	104.3	109.6	146	200.2	7.8	144.8	155.7	338.0	1 378.3	5.8	218.7		124.3	119.1
Oct	108.5	101.7	110.2	134	201.1	7.8	145.7	156.6	344.8	1 359.6	5.7	228.4		125.9	110.8
Nov	109.5	102.4	110.5	119	202.5	8.1	147.3	157.1	343.5	1 338.8	5.6	231.3		122.5	113.7
Dec	111.2	103.5	113.8	115	204.2	8.4	148.3	158.3	351.0	1 320.7	5.5	231.2		126.0	112.5
1979 Jan	103.0 p	93.4 p	109.6	121	207.2	9.3	150.8	160.0	344.4 p	1 339.1	5.6	235.9		113.1	107.3
Feb	110.4 p	103.8 p	110.4	117	208.9	9.6	152.0 p	161.7 p		1 362.5	5.7	230.9			
Mar					210.6	9.8	153.8 p	162.9 p		1 350.4	5.7	237.0			
% change latest 3 months on prev. 3 months	−1.3	−2.5	+1.3	−11.5	+3.1		+3.5	+2.7	+2.3	+0.8		+1.9		−3½	−2
on a year earlier	+1.2	−2.0	+4.9	0.0	+9.6		+8.6	+8.3	+14.0	−4.2		+25.0		+5	+5½

p Provisional. e Estimate. [1] Including figures published on or before 12 April 1979. [2] Average of available months.

Inquiries: 01-215 3453

Electrical engineering recovery confirmed



The first article in this series (*Trade and Industry*, 22 September 1978) showed that electrical engineering, order IX of the Standard Industrial Classification 1968, fell broadly into two groups of minimum list headings, respectively comprising those based on electrical, and those based on electronic, technology.

The earlier article also showed that, in terms of 1970 prices, the two were almost equal, with the electrical group slightly higher than the electronic. By 1975, however, the positions had been reversed, the electrical group having declined, and the electronic group having increased commensurately.

Output

On the 1970 base, output of the electrical engineering industry as a whole, and of each of its separate parts, followed a roughly similar pattern characterised by rapid growth to a 1974 peak, a fall to a 1976 trough, and a mild recovery through 1977. Re-basing on 1975 has not disturbed this pattern, but it has had the effect of dampening down the 1970-74 and 1975-76 movements, and strengthening the post-1976 recovery which, as table 1 clearly shows, continued into 1978 at an appreciably faster rate in the electronic than in the electrical group. These movements are reflected in the sales of principal products of the various sectors of the industry shown in table 2.

Published here is the latest available performance of the electrical engineering industry. The tables, originally published on a 1970 = 100 basis, are now based on 1975 = 100, and the index of production weights of each minimum list heading (MLH) in that year are shown in table 1.

Overseas trade

Tables 3 and 4 show that throughout the seventies, with the exception of 1973-74, the electrical engineering industry enjoyed a favourable crude trade balance which from 1970 to the end of 1978 had accumulated to a figure exceeding £2,000 million in terms of current prices.

The disquieting feature of this otherwise satisfactory situation is that the surplus of exports over imports occurred almost entirely in the electrical group which at the latest date had declined to not much more than a third of the total trade in electrical engineering. The electronic group was in deficit on visible trade account throughout the whole period 1970 to 1978; this was attributable mainly to consumer electronics and computers, and it may be expected to continue.

Employment

Between 1970 and 1978 the number employed in the electrical group fell by over 12 per cent, exactly in line with the fall in manufacturing industry generally. The fall in the number of those employed in the electronic group, at over

Table 1 Index of production

Index numbers, 1975 =100, seasonally adjusted

MLH		Weight in 1975	1970	1971	1972	1973	1974	1975	1976	1977	1977 Qtr 3	1977 Qtr 4	1978 Qtr 1	1978 Qtr 2	1978 Qtr 3
361	Electrical machinery	17.59	104.4	103.5	86.8	94.2	95.8	100.0	97.6	102.1	104.2	102.6	109.5	103.9	107.5
362	Insulated wires and cables	6.82	100.1	93.9	99.1	109.9	114.1	100.0	101.6	107.5	108.8	103.3	102.9	105.5	105.1
368	Domestic electric appliances	8.01	73.8	76.4	84.6	103.4	105.5	100.0	92.2	93.2	93.8	90.1	86.8	94.2	95.7
369.1	Electric equipment for vehicles	5.55	99.6	101.6	121.6	123.7	119.9	100.0	97.3	89.7	75.1	91.0	99.1	90.2	91.3
369.2/3	Primary and secondary batteries	3.07	83.3	86.3	86.1	97.0	101.3	100.0	99.2	98.4	99.0	104.6	101.6	113.1	110.6
369.4/5	Electric lamps and light fittings	5.52	102.5	97.7	105.1	112.1	107.9	100.0	96.4	98.0	98.1	94.8	106.9	108.6	105.0
Total	Electric	46.56	96.3	95.4	94.5	103.9	104.8	100.0	97.2	99.2	98.5	98.4	102.6	102.0	103.1
363	Telegraph and telephone apparatus	11.93	83.9	95.4	91.8	100.4	100.5	100.0	86.8	72.2	73.7	71.2	65.8	70.7	65.1
364	Radio and electronic components	13.38	80.7	80.2	92.8	112.0	124.0	100.0	106.6	121.4	120.5	123.0	132.8	135.6	136.2
365.1	Records and tape recordings	1.52	51.2	54.2	60.8	83.8	98.2	100.0	93.1	95.7	89.1	95.2	97.3	108.3	89.1
365.2	Broadcast receiving equipment	4.47	58.1	72.0	102.5	127.4	117.8	100.0	92.4	89.7	96.5	90.7	92.3	110.8	100.8
366	Electronic computers	8.27	63.2	61.2	58.3	75.2	84.5	100.0	103.4	122.4	132.9	133.0	144.3	140.4	162.7
367	Electronic capital goods	13.87	103.3	95.9	91.8	92.0	96.1	100.0	104.5	116.0	114.5	121.4	118.6	117.3	120.6
Total	Electronic	53.44	81.8	83.3	86.9	99.0	104.1	100.0	99.6	105.8	107.5	109.1	111.5	114.3	116.1
Order IX	Electrical engineering	100.0	83.5	84.8	89.0	101.3	104.5	100.0	98.5	102.7	103.4	104.1	107.4	108.6	110.0
Total	Manufacturing industry		98.0	97.4	100.0	108.4	106.5	100.0	101.4	102.8	103.0	101.9	102.1	104.7	104.9

Table 2 Sales of principal products

£ million, 1975 prices, not seasonally adjusted

MLH		1970	1971	1972	1973	1974	1975	1976	1977	1977 Qtr 3	1977 Qtr 4	1978 Qtr 1	1978 Qtr 2	1978 Qtr 3
361	Electrical machinery	1 008	935	865	924	990	992	997	1 021	231	264	275	244	227
362	Insulated wires and cables	413	434	446	498	499	495	487	488	115	120	128	124	111
368	Domestic electric appliances	368	400	425	512	480	546	508	496	121	129	121	126	127
369.1	Electric equipment for vehicles	246	239	302	309	306	268	267	249	47	66	71	66	55
369.2/3	Primary and secondary batteries	156	161	150	169	170	175	167	175	41	50	46	44	44
369.4/5	Electric lamps and light fittings	348	326	312	373	377	330	332	335	77	83	92	88	85
Total	Electric	2 539	2 496	2 500	2 786	2 822	2 806	2 758	2 763	633	712	732	692	649
363	Telegraph and telephone apparatus	427	486	483	518	489	494	424	351	84	89	86	86	81
364	Radio and electronic components	506	504	588	703	776	681	736	814	195	215	211	222	202
365.1	Records and tape recordings	68	70	81	110	128	128	107	98	21	31	20	20	22
365.2	Broadcast receiving equipment	249	303	423	522	486	414	392	385	98	117	102	118	116
366	Electronic computers	276	261	277	374	426	465	520	612	186	160	156	163	208
367	Electronic capital goods	585	523	518	524	573	586	681	733	184	189	191	176	174
Total	Electronic	2 111	2 147	2 369	2 751	2 879	2 767	2 859	2 993	767	800	766	786	804
Order IX	Electrical engineering	4 650	4 643	4 869	5 537	5 701	5 573	5 618	5 756	1 401	1 512	1 498	1 477	1 452

6 per cent, was less marked and in consequence employees in the electrical engineering industry declined by a little over 9 per cent.

In the most recent months, there have been signs that the fall in employment may have ended, and in some sectors numbers have risen. Such movements have been too small, however, to justify any confidence that an upturn may in fact have started.

Inquiries: Mr J. E. M Lilley, Dean Bradley House, 52 Horseferry Road, London SW1P 2AG, tel. 01-212 6873.

Notes

The index of production shown in table 1, measures net output at constant prices of all establishments classified to each minimum list heading. Table 2 shows sales at constant 1975 prices of those products which are regarded as characteristic or principal products of a minimum list heading as revealed by the series of quarterly production inquiries conducted by the Business Statistics Office. Sales of waste products and work done by establishments classified to the industry have been deducted, while sales of the principal products by establishments classified to other minimum list headings have been added to the totals which also include an estimate of the sales of those products by firms which are too small to be covered by the quarterly inquiries. The import and export figures shown in tables 3 and 4 are obtained from the overseas trade statistics by combining those trade headings which correspond most closely to the principal products of each minimum list heading, and they show the value of trade in terms of current prices. It should be noted that tables 1 and 5 are on an industry basis whereas the other tables relate to principal products.

Table 3 Imports of principal products

£ million cif, current prices, not seasonally adjusted

										1977		1978		
MLH		1970	1971	1972	1973	1974	1975	1976	1977	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
361	Electrical machinery	50.1	53.3	70.5	91.9	148.5	139.7	181.4	213.6	53.5	52.6	70.0	79.7	73.4
362	Insulated wires and cables	6.3	6.9	10.1	14.1	18.9	18.5	23.9	30.0	7.4	7.6	8.8	9.9	9.0
368	Domestic electric appliances	27.7	34.3	48.6	98.1	114.3	138.6	163.8	221.0	52.4	54.0	52.4	64.4	61.0
369.1	Electric equipment for vehicles	7.3	7.6	11.3	16.4	21.5	26.4	41.3	73.8	19.0	21.1	22.3	23.3	19.4
369.2/3	Primary and secondary batteries	3.1	4.8	5.0	8.2	14.7	14.4	20.2	36.3	10.4	11.2	13.0	11.4	10.4
369.4/5	Electric lamps and light fittings	31.4	35.1	42.2	61.7	76.1	82.4	103.5	140.5	35.2	35.2	32.6	35.2	34.7
Total	Electric	125.8	142.0	187.7	290.5	394.0	420.1	534.2	715.3	177.8	181.7	199.0	224.0	207.8
363	Telegraph and telephone apparatus	11.8	11.7	15.7	21.1	30.7	40.1	67.5	45.2	11.5	13.8	14.7	13.4	12.7
364	Radio and electronic components	123.3	126.5	176.6	283.4	329.0	303.2	420.0	546.7	131.8	135.7	137.3	153.3	147.5
365.1	Records and tape recordings	3.9	3.9	8.7	17.1	22.8	20.0	20.4	26.3	6.4	8.6	7.5	9.7	9.4
365.2	Broadcast receiving equipment	35.1	57.8	120.0	242.1	202.5	184.6	226.6	326.4	82.4	89.4	67.9	73.0	94.7
366	Electronic computers	156.3	160.6	172.2	259.1	345.7	382.8	552.5	691.5	182.1	180.1	187.0	204.4	196.9
367	Electronic capital goods	40.2	45.3	49.5	64.7	84.9	102.7	146.6	172.1	43.0	46.1	49.4	57.8	56.0
Total	Electronic	370.5	405.9	542.6	887.6	1 015.7	1 033.3	1 433.6	1 808.1	457.2	473.8	463.8	511.7	517.1
Order IX	Electrical engineering	496.4	548.0	730.3	1 178.0	1 409.7	1453.4	1 967.9	2 523.4	635.0	655.5	662.8	735.7	724.9

Table 4 Exports of principal products

£ million fob, current prices, not seasonally adjusted

										1977		1978		
MLH		1970	1971	1972	1973	1974	1975	1976	1977	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
361	Electrical machinery	132.5	166.2	173.2	197.3	248.9	387.9	492.8	615.2	166.3	163.7	193.2	214.8	192.3
362	Insulated wires and cables	47.5	51.8	47.0	58.3	99.8	127.4	148.6	178.7	43.5	42.7	45.5	44.7	32.8
368	Domestic electric appliances	48.9	53.4	55.6	69.8	90.1	107.0	134.9	177.4	42.1	48.5	42.4	50.4	42.4
369.1	Electric equipment for vehicles	12.0	11.4	19.4	24.8	27.6	36.7	50.1	65.3	16.6	18.5	18.5	20.3	18.8
369.2/3	Primary and secondary batteries	18.9	20.3	17.7	23.6	31.9	41.0	56.4	75.8	17.0	20.0	21.8	23.1	20.3
369.4/5	Electric lamps and light fittings	55.5	56.6	58.1	73.2	112.9	127.5	137.2	187.3	52.0	49.7	46.6	53.3	53.0
Total	Electric	315.3	359.7	370.9	447.0	611.2	827.5	1 020.0	1 299.8	337.5	343.1	367.9	406.6	359.6
363	Telegraph and telephone apparatus	37.9	51.9	48.9	53.3	56.9	69.7	117.0	122.6	33.0	34.5	23.9	30.1	21.3
364	Radio and electronic components	112.1	122.0	147.5	193.6	250.2	285.2	406.7	505.1	119.8	131.5	127.8	147.2	139.1
365.1	Records and tape recordings	8.6	10.3	11.2	17.4	21.4	32.5	43.9	57.8	14.6	17.7	15.7	14.6	15.2
365.2	Broadcast receiving equipment	13.9	13.9	18.3	23.4	43.7	77.8	94.9	111.5	25.4	36.3	31.2	32.6	23.9
366	Electronic computers	101.0	120.3	143.6	208.5	270.2	331.5	407.3	498.4	128.4	133.3	106.4	143.8	161.6
367	Electronic capital goods	83.4	92.9	90.8	102.2	154.8	237.5	339.3	443.9	110.8	115.9	106.1	110.4	97.4
Total	Electronic	357.0	411.4	460.3	598.4	797.1	1 034.3	1 408.9	1 739.3	431.9	469.3	411.1	478.6	458.5
Order IX	Electrical engineering	672.3	771.0	831.2	1 045.4	1 408.3	1 861.8	2 428.9	3 039.1	769.3	812.4	779.0	885.2	818.1

Table 5 Employees in employment: Great Britain

Thousands

		Mid-year count									1977		1978		
MLH		1970	1971	1972	1973	1974	1975	1976	1977	1978	Sept	Dec	March	June	Sept
361	Electrical machinery	154	145	137	133	143	140	135	134	133	135	134	134	133	134
362	Insulated wires and cables	49	47	45	42	45	47	45	44	43	46	44	44	43	43
368	Domestic electric appliances	64	65	62	64	72	63	60	63	62	63	63	62	62	63
369.1	Electrical equipment for vehicles														
369.2/3	Primary and secondary batteries	140	137	135	136	136	115	109	114	118	115	116	117	118	118
369.4/5	Electric lamps and light fittings														
Total	Electric	407	394	378	376	395	365	348	355	357	357	357	357	357	359
363	Telegraph and telephone apparatus	86	84	85	88	87	87	74	67	65	66	66	66	65	65
364	Radio and electronic components	132	128	127	136	153	128	125	129	128	130	130	128	128	129
365.1	Records and tape recordings														
365.2	Broadcast receiving equipment	44	48	61	69	64	55	52	52	50	52	53	51	50	50
366	Electronic computers	51	50	50	46	45	43	42	43	46	44	45	45	46	47
367	Electronic capital goods	96	94	80	80	87	89	89	91	94	93	94	94	94	96
Total	Electronic	409	404	402	419	434	403	382	382	383	384	387	385	383	386
Order IX	Electrical engineering	815	799	780	795	830	768	730	737	740	742	744	741	740	745
Total	Manufacturing industry	8 164	7 886	7 613	7 664	7 705	7 334	7 099	7 205	7 161	7 242	7 232	7 176	7 161	7 187

Source: Department of Employment

Combined engineering sectors: sales and orders up to January

The January indices of sales and orders for the combined engineering industries are severely affected by special factors which render any assessment of the underlying trends highly uncertain. The industrial disruption caused by the lorry drivers' (and other) disputes has combined with severe weather conditions to produce a very large fall in sales and new orders in January. It is probable, however, that output was not as badly affected as sales during this period and that a significant proportion of sales lost will be made up in subsequent months.

Before the addition of the January figures the trend of total sales had been virtually flat for nearly a year and new orders were on a steeply rising trend attributable largely to the recent Central Electricity Generating Board orders in connection with the Drax power station. Any trending process will spread the effect of a narrow peak or trough over a longer period. In this case the very poor January results have adversely affected the given trend series as far back as October. Some upward revisions to these estimates can be expected as the figures reflecting the return to normality become available. Greater reliance must then be placed upon the seasonally adjusted figures provided; on this basis total sales fell back by nearly 20 per cent in January and total new orders fell by an even greater amount. Total orders on hand showed no appreciable change.

The January fall in sales to the home market was slightly less steep than for engineering sales as a whole. Home new orders reacted sharply to the difficult conditions but the net affect on order books was minimal.

Foreign shipments were particularly difficult in January hence the export market was the worst hit sector, sales falling by 25 per cent from their December level. New orders from abroad fell by about the same amount but remained higher than sales so that order books actually lengthened slightly over the period.

The revised figures published in this table are based on the monthly engineering inquiry relating to January 1979. The response rate of 75 per cent to the inquiry for January 1979 is judged sufficient to justify publication of provisional indices for this month. Taking into account late returns now received for October, November and December response rates for these months were 92, 90 and 88 per cent respectively.

Inquiries: Department of Industry, Room 607, Dean Bradley House, 52 Horseferry Road, london SW1P 2AG, tel. 01-212 5770.

Volume index numbers for the combined engineering industries up to January

	Total			Home			Export		
	1975 average = 100	1975 average monthly sales = 100		1975 average = 100	1975 average monthly sales = 100		1975 average = 100	1975 average monthly sales = 100	
	Orders-on-hand (end of period)	New orders	Sales	Orders-on-hand (end of period)	New orders	Sales	Orders-on-hand (end of period)	New orders	Sales
Ratio orders-on-hand/ av monthly sales in 1975 [1]	7.7			7.3			8.5		
Trend estimates									
1976									
July	80	94	96	78	88	95	85	108	99
August	80	97	96	77	89	95	86	114	99
September	80	99	97	76	90	95	89	118	100
October	81	100	97	76	91	95	91	120	102
November	81	100	98	75	92	96	93	118	103
December	81	100	98	75	93	96	94	115	103
1977 p									
January	81	99	98	74	93	95	95	114	102
February	82	99	97	74	93	95	96	112	102
March	82	98	97	74	92	94	98	111	102
April	82	97	96	74	92	93	98	111	103
May	82	97	96	73	91	93	99	111	105
June	82	97	96	73	91	92	100	110	107
July	82	96	97	73	91	92	100	109	108
August	82	97	96	73	92	92	100	106	108
September	82	97	96	74	93	91	99	105	107
October	82	98	96	74	94	92	99	105	106
November	83	99	96	74	95	92	100	107	105
December	83	100	96	75	96	93	100	108	104
1978 p									
January	84	100	97	75	96	94	100	109	105
February	84	99	98	75	96	95	101	108	105
March	84	98	98	75	95	95	101	104	106
April	83	97	99	75	95	95	100	101	106
May	83	96	99	75	95	96	99	98	106
June	83	96	99	75	96	96	98	98	105
July	83	99	99	75	98	97	98	101	105
August	83	103	100	76	101	97	98	106	105
September	84	106	99	77	105	97	98	109	105
October	86	108	98	79	107	96	99	110	104
November	87	108	97	81	108	95	100	108	101
December	88	107	95	82	107	93	100	106	99
1979 p									
January	90	104	93	84	104	91	101	103	96
Percentage change [2]									
Oct 1978-Jan 1979	+4.5	−4.0	−6.0	+6.5	−3.0	−5.0	+2.0	−6.0	−7.5
Seasonally adjusted									
1973	113	116	98	120	121	105	100	105	84
1974	114	103	102	115	102	104	112	106	97
1975	88	84	100	87	83	100	90	84	100
1976	81	92	97	74	87	95	94	104	101
1977 p	83	98	97	75	94	93	100	109	105
1978 p	90	103	99	84	101	96	100	106	105
1976									
1st qtr	84	85	96	83	83	93	86	90	100
2nd	80	87	97	79	86	96	82	89	101
3rd	80	97	96	77	90	95	87	114	99
4th	81	100	97	74	90	94	94	123	103
1977 p									
1st qtr	82	99	97	74	95	96	97	109	101
2nd	82	97	96	73	89	93	100	116	106
3rd	82	97	97	73	93	92	100	105	108
4th	83	99	96	75	97	92	100	105	104
1978 p									
1st qtr	84	99	99	75	95	95	101	110	107
2nd	83	95	98	75	94	95	98	97	104
3rd	84	103	100	75	100	98	100	110	105
4th	90	113	98	84	116	95	100	108	105
1977 p									
January	81	103	101	74	98	99	95	115	105
February	82	100	98	75	98	96	95	103	102
March	82	94	94	74	88	92	97	110	97
April	82	101	98	74	92	94	99	121	106
May	83	98	94	74	90	90	100	117	103
June	82	94	98	73	87	93	100	110	108
July	82	95	99	73	96	94	98	92	109
August	83	102	95	74	96	90	100	116	106
September	82	93	97	73	86	91	100	108	110
October	82	100	97	73	95	93	100	110	107
November	83	95	93	74	95	89	99	93	102
December	83	104	97	75	101	95	100	110	102
1978 p									
January	83	94	96	75	92	92	99	98	105
February	85	110	98	75	96	95	103	140	106
March	84	95	103	75	96	99	101	92	111
April	83	93	96	75	91	93	100	97	102
May	83	99	99	75	100	96	99	97	106
June	83	93	99	75	92	96	98	95	105
July	83	99	97	76	104	95	96	88	103
August	83	101	100	76	96	96	97	113	111
September	84	107	102	75	99	102	100	128	101
October	84	99	96	76	99	93	99	99	103
November	88	130	97	83	139	94	100	107	104
December	90	112	102	84	109	99	100	117	109
1979 p									
January	90	83	83	84	81	84	101	88	81
Aug-Oct 1978 (av)	84	103	100	76	98	97	99	113	105
Nov 1978-Jan 1979 (av)	90	108	94	84	110	92	101	104	98
Percentage change [2]	+6.5	+5.5	−5.5	+9.5	+12.0	−5.0	+2.0	−8.0	−6.5

Notes to table

[1] This ratio shows the number of months work in the order book in the base year at the then average rate of sales. [2] For orders-on-hand the percentage changes compare the level at the end of the latest period shown with the corresponding level for the earlier period. The percentage changes have been based on the unrounded values and are given to the nearest half percentage point. p Provisional.

Steel consumption and stocks: fourth quarter 1978

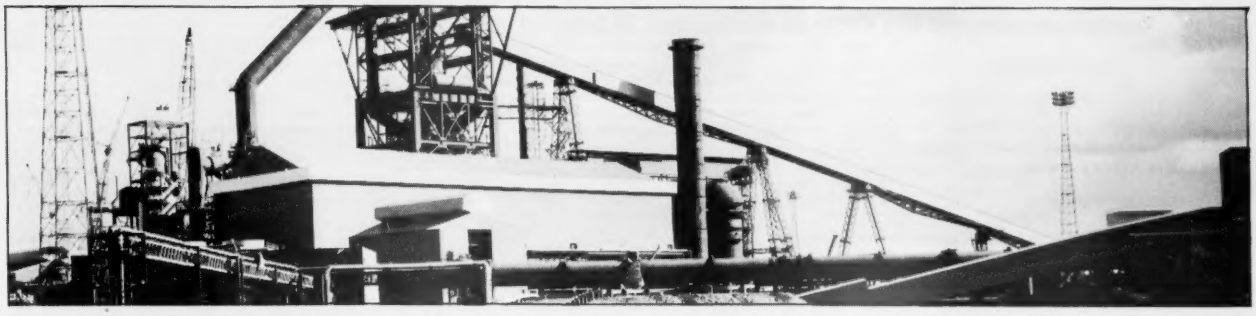


Table 1 Consumption, deliveries and stocks of finished steel Seasonally adjusted

Period	Consumption million tonnes	Deliveries million tonnes: From UK production to consumers and stockholders	Deliveries million tonnes: Imports	Deliveries million tonnes: Total to Consumers [1]	Stocks at end of period million tonnes: Consumers	Stocks at end of period million tonnes: Stockholders	Stocks at end of period million tonnes: Total	Number of weeks use held in stock by consumers and stockholders
1975	15.45	12.03	3.03	15.01	4.53	0.92	5.45	17.4
1976	15.80	12.67	3.15	15.65	4.37	1.09	5.46	19.0
1977	15.30	12.01	2.97	15.11	4.15	0.96	5.11	15.8
1978	15.57	11.94	3.26	15.24	3.83	0.90	4.73	17.6
1977								
1st qtr	3.74	3.03	0.59	3.66	4.29	1.05	5.34	18.5
2nd	3.76	2.90	0.64	3.61	4.14	0.98	5.12	17.0
3rd	3.91	3.17	0.88	4.04	4.20	0.99	5.19	17.5
4th	3.85	2.91	0.86	3.80	4.15	0.96	5.11	15.8
1978								
1st qtr	4.21	3.21	0.85	4.05	3.99	0.97	4.96	16.3
2nd	3.95	3.03	0.86	3.90	3.94	0.96	4.90	16.3
3rd	3.91	2.89	0.88	3.82	3.85	0.91	4.76	17.7
4th	3.50	2.81	0.66	3.48	3.83	0.90	4.73	17.6

[1] Total deliveries to consumers are deliveries from UK production to consumers and stockholders plus imports minus stock build by stockholders.

Table 2 Consumption of finished steel by industry group Seasonally adjusted. Million tonnes

Period	Railways	Ship-building	Con-struction	Electrical engin-eering	Mechanical engin-eering	Motors	Hollow ware	Wire and wire manu-factures	Other consuming industries
1975	0.54	0.66	2.53	0.84	3.29	1.65	1.09	0.96	3.89
1976	0.45	0.56	2.51	0.82	3.33	1.86	1.27	1.03	3.97
1977	0.36	0.41	2.05	0.67	3.80	1.86	1.28	0.89	3.98
1978	0.45	0.46	2.17	0.72	3.84	2.20	1.33	1.00	3.40
1977									
1st qtr	0.09	0.10	0.53	0.17	0.86	0.47	0.33	0.23	0.96
2nd qtr	0.08	0.12	0.51	0.16	0.93	0.43	0.32	0.23	0.98
3rd qtr	0.08	0.15	0.46	0.16	0.91	0.60	0.34	0.25	0.96
4th qtr	0.11	0.16	0.51	0.17	0.89	0.62	0.31	0.25	0.83
1978									
1st qtr	0.12	0.14	0.55	0.24	1.07	0.63	0.32	0.25	0.90
2nd qtr	0.13	0.13	0.53	0.17	1.01	0.58	0.35	0.26	0.80
3rd qtr	0.10	0.10	0.58	0.17	0.95	0.53	0.34	0.24	0.91
4th qtr	0.11	0.09	0.51	0.15	0.82	0.46	0.32	0.24	0.80

Table 3 Stocks of finished steel held by industry group Seasonally adjusted. Million tonnes

Period	Railways	Ship-building	Con-struction	Electrical engin-eering	Mechanical engin-eering	Motors	Hollow-ware	Wire and wire manu-factures	Other consuming Industries
1975	0.16	0.51	1.14	0.13	0.90	0.39	0.14	0.15	1.01
1976	0.12	0.39	1.00	0.13	0.92	0.47	0.17	0.13	1.04
1977	0.25	0.48	1.48	0.09	0.17	0.48	0.23	0.17	0.80
1978	0.24	0.43	0.46	0.08	1.05	0.40	0.22	0.16	0.77
1977									
1st qtr	0.12	0.37	1.01	0.13	0.90	0.45	0.18	0.13	1.01
2nd	0.12	0.33	0.99	0.12	0.88	0.44	0.17	0.12	0.98
3rd	0.26	0.50	0.45	0.09	1.19	0.52	0.23	0.17	0.79
4th	0.25	0.48	0.48	0.09	1.17	0.48	0.23	0.17	0.80
1978									
1st qtr	0.25	0.47	0.46	0.09	1.15	0.46	0.21	0.17	0.75
2nd	0.24	0.45	0.46	0.08	1.15	0.47	0.19	0.17	0.75
3rd	0.24	0.44	0.47	0.07	1.09	0.43	0.21	0.16	0.73
4th	0.24	0.43	0.46	0.08	1.05	0.40	0.22	0.16	0.77

Table 4 on next page

Revised figures confirm that steel consumption in 1978 was slightly over 15½ million tonnes. This is about the same level as in the previous three years but some 2 million tonnes below the average level achieved in the early 1970s. There was a sharp fall in consumption in the fourth quarter of the year, particularly in the mechanical engineering, motor vehicle and construction industries.

Even though consumption remained depressed, stocks of steel held by consuming industries continued to decline steadily, falling by over 300 000 tonnes during 1978. With stocks held by stockholding merchants also falling and imports increasing, deliveries from UK production destined for home consumption fell to just under 12 million tonnes.

Notes

1 Data from the third quarter of 1977 have been calculated on a slightly different basis from the previous figures and therefore the series are not strictly comparable before and after that date. The discontinuities in the aggregate figures are, however, fairly small.

2 The large movements in consumption in the first and fourth quarters of 1978 cannot be explained fully in terms of the output of the main steel consuming industries. It is possible, therefore, that the quarterly adjustments made do not accurately reflect any changes in the seasonal variations that have taken place in 1978.

Inquiries: Department of Industry, Dean Bradley House, 52 Horseferry Road, London SW1P 2AG, tel. 01-212 0856.

Table 5 Receipts, deliveries and stocks of steel by stockholders Thousand tonnes

Product	Quarter ending 30 September 1978: Receipts	Deliveries	Stock at end of quarter	Stock change
Treaty:				
of which				
Ingots	16.2	14.8	9.2	+1.4
Beams, angles and sections	131.1	137.2	143.7	−6.1
Rounds and squares	53.4	53.5	45.9	−0.1
Plate and wide coil	194.1	199.3	232.9	−5.2
Sheet	197.8	200.0	243.1	−2.2
Tinplate	17.4	18.2	14.4	−0.8
Non-treaty:				
of which				
Bright bars	41.4	43.5	45.0	−2.1
Tubes and hollows	106.7	110.1	119.8	−3.4
Total all steel products	821.0	839.4	900.7	−18.4
Treaty of Paris products	662.8	676.2	724.0	−13.4
Non-treaty products	158.2	163.2	176.7	−5.0

Steel consumption and stocks: fourth quarter 1978
continued

Table 4 Receipts, consumption and stocks of finished steel by type and selected industry groups

Not seasonally adjusted. Thousand tonnes

Steel type: selected industry group and total	4th quarter 1977		1st quarter 1978		2nd quarter 1978		3rd quarter 1978		4th quarter 1978		Stocks at end of quarter 4
	Receipts	Consumption	Receipts	Consumption	Receipts	Consumption	Receipts	Consumption	Receipts	Consumption	
Ingots, blooms, billets and slabs											
Total	149.6	163.7	207.2	213.0	155.5	153.5	131.2	135.9	145.6	143.9	230.4
of which: Mechanical engineering	23.2	24.7	66.9	71.8	37.5	35.8	34.5	37.8	31.3	29.2	85.6
Sections (including rails)											
Total	466.0	473.5	509.7	534.8	476.0	457.1	441.3	446.6	441.8	460.1	410.4
of which: Railways	52.8	53.2	64.1	58.6	61.4	60.8	53.0	49.0	56.4	58.9	67.5
Construction	198.6	204.5	205.6	238.1	219.2	188.6	215.3	208.3	196.3	205.6	144.8
Mechanical engineering	86.2	83.2	100.1	96.2	87.6	86.9	68.6	81.3	76.6	83.7	54.2
Rods and bars for reinforcement											
Total	207.1	222.1	264.7	239.9	231.8	247.9	216.9	235.3	252.6	248.7	172.3
of which: Construction	32.3	32.2	56.9	47.4	79.0	89.5	67.6	66.4	86.0	85.7	45.2
Mechanical engineering	168.5	183.6	200.9	186.5	141.5	146.2	143.0	163.1	143.9	141.5	117.3
Other rod and bar – in coil											
Total	305.9	309.9	363.8	365.3	292.2	288.6	255.8	260.3	272.2	289.7	175.1
of which: Mechanical engineering	40.9	41.6	76.4	79.7	41.9	40.4	37.1	36.4	25.7	27.2	64.1
Wire and wire manufactures	231.5	235.9	242.6	241.6	221.2	215.0	181.8	187.1	219.1	234.1	66.7
Other rod and bar – straight lengths – hot rolled											
Total	247.4	243.6	302.2	307.0	205.7	206.6	204.2	204.8	201.1	210.0	311.6
of which: Mechanical engineering	52.7	49.6	61.6	70.3	49.5	46.9	46.6	45.1	39.0	40.8	154.0
Motor vehicles	23.7	25.4	26.6	27.1	16.0	16.7	15.6	16.1	18.4	19.3	1.3
Construction	14.8	15.5	19.9	19.9	18.7	18.7	11.6	11.9	9.6	7.0	3.7
Other rod and bar – straight lengths – cold finished											
Total	132.6	139.8	141.9	147.2	126.6	135.1	102.9	102.6	112.0	109.8	47.2
of which: Electrical engineering	12.2	12.1	13.2	12.4	12.1	14.6	8.8	9.6	9.3	9.4	5.7
Mechanical engineering	40.5	43.7	43.8	45.1	36.7	40.0	25.3	27.5	32.2	31.0	15.3
Motor vehicles	27.6	28.6	29.0	29.7	24.4	26.4	19.6	17.0	21.7	21.6	10.9
Strip – hot rolled											
Total	100.9	97.4	103.2	115.0	91.5	94.6	74.5	74.8	84.0	76.5	145.8
of which: Mechanical engineering	15.6	17.3	11.1	15.1	19.2	19.6	15.1	13.2	16.3	17.9	19.9
Motor vehicles	37.8	38.7	43.0	42.2	29.4	30.2	24.9	24.4	29.8	27.9	35.5
Strip – cold rolled											
Total	105.7	115.5	117.4	113.9	106.5	108.4	89.1	97.6	109.8	116.6	164.6
of which: Electrical engineering	12.7	12.9	15.6	15.2	13.7	13.9	10.7	10.7	12.3	12.7	2.2
Mechanical engineering	17.6	19.0	19.5	19.8	16.3	15.7	14.4	14.4	18.6	18.3	27.8
Motor vehicles	16.8	17.5	19.1	20.3	17.6	17.4	12.3	14.2	15.0	15.0	30.8
Sheet – hot rolled											
Total	88.9	87.0	102.6	107.2	106.4	102.8	75.2	71.7	90.9	93.6	64.8
of which: Mechanical engineering	22.0	19.9	26.4	27.3	42.4	40.6	22.6	22.3	30.2	30.7	13.6
Motor vehicles	18.6	19.1	31.9	31.4	17.9	15.6	15.7	14.9	16.9	18.6	14.1
Hollow ware	7.9	8.0	8.8	11.4	10.6	10.2	10.4	9.4	7.9	8.6	6.4
Sheet – cold reduced											
Total	720.6	730.7	861.0	876.7	855.0	864.6	697.6	703.6	643.8	649.3	382.7
of which: Electrical engineering	103.4	107.8	170.9	173.1	111.7	116.2	104.6	102.6	88.4	87.0	18.8
Mechanical engineering	94.2	89.4	127.3	132.5	151.1	151.9	95.5	101.8	104.3	102.3	54.7
Motor vehicles	298.1	298.0	315.9	314.2	328.8	335.3	203.8	222.1	203.9	211.4	161.6
Hollow ware	86.9	88.7	83.3	86.7	84.9	87.2	100.7	90.3	89.6	87.0	64.5
Plate											
Total	644.8	632.5	670.8	715.1	644.9	677.2	486.4	533.7	465.1	479.9	698.0
of which: Shipbuilding	107.3	123.6	74.1	97.0	89.5	95.3	57.6	66.6	59.2	63.3	265.7
Construction	188.9	156.2	167.7	169.8	136.1	142.7	106.7	115.9	105.1	109.7	158.2
Mechanical engineering	170.8	169.1	231.0	243.6	213.9	213.5	162.3	175.4	148.2	150.1	143.5
Motor vehicles	77.3	85.4	80.6	89.0	70.8	78.6	63.6	69.1	55.8	60.0	56.7
Tinplate and blackplate											
Total	190.4	195.7	245.0	250.5	277.9	289.3	220.6	223.5	234.3	237.0	143.6
of which: Hollow ware	182.0	187.2	209.0	210.1	239.0	245.0	183.0	186.1	188.5	191.9	113.0
All other steel products											
Total	452.0	464.4	460.9	451.8	450.8	466.8	406.4	423.5	433.8	438.2	877.8
Railways	20.4	23.3	21.8	20.1	20.8	24.4	17.0	18.7	22.3	20.2	120.9
Shipbuilding	6.1	8.0	5.3	7.9	8.7	8.5	6.2	6.7	6.2	5.8	24.7
Construction	35.4	34.9	34.7	31.3	35.1	33.6	28.6	30.8	34.0	33.8	41.7
Electrical engineering	10.4	10.2	10.5	8.9	10.9	11.9	9.8	9.3	11.7	11.9	13.7
Mechanical engineering	158.3	154.8	150.6	144.9	148.6	154.6	135.1	140.9	141.4	145.9	336.8
Motor vehicles	52.5	58.4	55.6	55.2	50.9	53.0	50.3	54.2	45.8	46.9	68.8
Hollow ware	1.1	1.2	1.3	1.3	1.2	1.2	1.3	1.3	0.8	0.9	1.1
Wire and wire manufactures	12.9	12.9	18.8	19.4	21.3	20.1	13.4	14.0	15.0	15.3	55.0
All other industries	154.9	160.7	162.3	162.8	153.3	159.5	144.7	147.6	156.6	157.5	215.1
Total all steel products											
Total	3 811.9	3 875.8	4 350.4	4 437.4	4 020.8	4 092.5	3 402.1	3 513.9	3 486.9	3 550.2	3 813.1
Railways	106.2	111.3	123.8	120.8	123.9	129.9	92.6	94.5	104.0	105.5	245.5
Shipbuilding	144.7	156.3	119.5	143.7	121.5	132.1	79.0	88.7	87.1	92.0	433.1
Construction	531.0	505.2	561.0	579.7	565.6	556.6	523.8	522.3	487.4	502.4	459.9
Electrical engineering	166.0	172.0	242.9	245.4	164.2	176.3	155.8	155.4	148.6	147.7	78.7
Mechanical engineering	890.5	895.9	1 115.7	1 132.9	1 011.4	1 033.4	801.0	860.1	812.2	820.3	1 066.6
Motor vehicles	596.0	618.3	647.2	654.3	592.4	615.1	440.0	468.0	451.6	462.0	414.1
Hollow ware	299.4	306.4	328.8	335.3	362.2	377.5	317.0	307.0	306.9	304.6	216.6
Wire and wire manufactures	256.7	262.5	274.7	274.2	262.3	256.3	207.4	212.8	248.3	263.9	151.9
All other industries	821.4	847.9	936.8	951.1	817.3	815.3	785.5	805.1	840.8	851.8	746.7

Price Commission index: March

The rise in the Price Commission index over the six months to March was 11.8 per cent expressed as an annual rate. The corresponding figure for February was 10.0 per cent.

Oil prices hit index

Charles Williams, chairman of the Price Commission, said that the commission index this month reflects another round (the second this year) of oil company increases resulting from the decisions by the Organisation of Petroleum Exporting Countries on crude oil prices and the interruption of Iranian supply. 'These notifications have a considerable impact on the index; furthermore, increases on a lot of products other than petrol take a long time to get through to retail prices, whereas in our index they all show up straightaway. This factor serves to reinforce our frequently stated view that our index should be treated as an indicator of future trends in, rather than a precise predicter of the future level of, the retail price index.

'It is difficult to adjust for the delayed effect of oil company increases, and it is no use trying to pretend that all the increases will not be felt in the end, but it may be worth noting that if we were to give the same weight to petroleum products in our index as in the RPI, the increase would be quite significantly lower than the figure we have given. It may also be worth noting that there are certainly more oil company rounds to come.'

Over the 12 months to March the index rose by 8.0 per cent, compared with a rise of 7.2 per cent in the 12 months to February.

Percentage changes over six-month periods in Price Commission index, retail prices index and wholesale price index: annualised rates

Six months to	Price Commission index	Retail prices index [1]	Wholesale price index [2]
1976			
July	12.6	12.9	15.6
August	12.4	13.2	16.8
September	13.5	14.5	18.2
October	16.9	14.4	18.5
November	19.3	14.2	20.1
December	18.2	15.2	20.3
1977			
January	18.2	18.0	25.2
February	19.0	18.4	24.5
March	20.8	18.7	23.4
April	17.4	19.7	25.2
May	16.1	20.0	23.7
June	15.0	19.6	24.0
July	14.3	15.6	18.6
August	11.5	14.9	16.7
September	7.8	14.1	15.6
October	7.3	9.9	11.7
November	5.8	8.7	8.6
December	6.0	7.4	7.1
1978			
January	5.9	7.2	7.2
February	7.2	7.2	7.7
March	7.5	6.8	7.9
April	7.2	8.4	7.9
May	6.8	8.6	8.7
June	6.1	8.9	8.9
July	5.9	9.1	7.6
August	4.5	9.6	7.6
September	4.3	9.6	7.7
October	4.7	7.7	7.7
November	4.9	8.0	7.0
December	5.7	8.2	7.5
1979			
January	8.7	8.8	8.0
February	10.0	8.9	8.8
March	11.8 p	..	9.5

[1] Excluding seasonal foods. [2] Manufactured products.
p Provisional.

Vehicle production: provisional estimate for March

Provisional estimates of vehicle production in the United Kingdom in the five weeks ending 31 March are shown below. More detailed production figures are due to be published at the end of April.

Thousands

	No. of weeks	Passenger cars: Recorded	Passenger cars: Seasonally adjusted (monthly average)	Commercial vehicles: Recorded	Commercial vehicles: Seasonally adjusted (monthly average)
1975	52	1 268	106	380.7	31.7
1976	53	1 333	111	372.1	31.0
1977	52	1 316	110	398.3	33.2
1978	52	1 223	102	384.5	32.0
1978					
Jan	4	111	111	31.1	33.4
Feb	4	108	112	30.7	30.7
Mar	5	139	121	41.9	35.4
Apr	4	119	117	35.0	36.0
May	4	122	104	37.8	34.6
Jun	5	122	108	39.5	34.3
Jul	4	65	96	27.2	33.5
Aug	4	89	115	21.2	31.3
Sep	5	107	107	33.8	32.1
Oct	4	79	83	26.3	26.2
Nov	4	58	55	24.3	24.4
Dec	5	104	95	35.7	32.5
1979					
Jan	4	92	93	32.0	34.5
Feb	4	100	104	37.5	37.7
Mar	5	136	113	50.2	40.1

Inquiries: Department of Industry, Dean Bradley House, 52 Horseferry Road, London SW1P 2AG, tel. 01-212 0788.

Index of retail prices for March

The index of retail prices for all items for 13 March 1979 was 210.6 (15 January 1974 = 100). This represents an increase of 0.8 per cent on February 1979 (208.9) and of 9.8 per cent on March 1978 (191.8).

The rise in the index in March was due mainly to increases in the prices of alcoholic drinks, vegetables and petrol; to an increase in the level of mortgage interest payments; and to increases in the prices of a number of household goods and articles of clothing and footwear.

The movements for the main groups in the index are shown in table 2.

Notes

1 The retail prices index measures the change from month to month in the average level of prices of goods and services purchased by most households in the UK. The expenditure pattern on which the index is based is revised each year using information from the family expenditure survey. The expenditure of certain higher income households and households of retired people dependent mainly on social security benefits is excluded.

2 The index covers a large and representative selection of nearly 350 separate goods and services, for which price movements are regularly measured in more than 200 towns throughout the country. Approximately 150 000 separate price quotations are used each month in compiling the index.

3 Seasonal variations in the index of retail prices are due largely to a very few items of 'seasonal food' that is, those items of food the prices of which show significant seasonal variations. These items account for less than 5 per cent of total retail expenditure. If the variation caused by these items is removed, the underlying trend of the figures can be seen more clearly

4 Rates of change of indices can be calculated over periods of any length. However, rates calculated over periods as long as 12 months are slow to detect changes in trend, while calculations over periods as short as three months give rather volatile results. To help in assessing trends, rates of changes in the all items index and the index for all items except seasonal food are shown in table 1 over successive periods of six months.

5 The index is given in full in the *Department of Employment Gazette*.

Inquiries: Watford 28500 ext. 630.

Table 1 **Index of retail prices**

	All items: Index 15 Jan 1974 = 100	All items: Percentage change over 1 month	All items: Percentage change over 6 months	All items: Percentage change over 12 months	All items except seasonal foods: Index 15 Jan 1974 = 100	All items except seasonal foods: Percentage change over 1 month	All items except seasonal foods: Percentage change over 6 months
1978							
October	201.1	+0.4	+3.3	+7.8	202.4	+0.5	+3.8
November	202.5	+0.7	+3.5	+8.1	203.8	+0.7	+3.9
December	204.2	+0.8	+3.5	+8.4	205.1	+0.6	+4.0
1979							
January	207.2	+1.5	+4.6	+9.3	207.3	+1.1	+4.3
February	208.9	+0.8	+4.8	+9.6	209.1	+0.9	+4.3
March	210.6	+0.8	+5.2	+9.8	210.6	+0.7	+4.6

Table 2 **Index of retail prices: commodity breakdown**

	Indices (15 Jan 1974 = 100): 13 Feb 1979	Indices (15 Jan 1974 = 100): 13 Mar 1979	Percentage change over the month
All items	208.9	210.6	+0.8
All items excluding food	206.2	207.9	+0.8
Food	218.7	220.2	+0.7
Seasonal food	208.2	215.3	+3.4
Other food	220.8	221.3	+0.2
Alcoholic drink	200.1	203.9	+1.9
Tobacco	231.5	231.5	+0.0
Housing	191.4	192.7	+0.7
Fuel and light	234.4	236.3	+0.8
Durable household goods	190.3	191.8	+0.8
Clothing and footwear	178.6	180.1	+0.8
Transport and vehicles	221.7	223.8	+0.9
Miscellaneous goods	218.7	220.2	+0.7
Services	202.9	203.9	+0.5
Meals out	220.1	221.7	+0.7

Retailers' stocks in February

Based on the non-seasonally adjusted data of table 1, the level of stocks at book values in February was £85 million higher than in the previous month and 16 per cent higher than in the same month a year earlier; at constant (1975) prices it was 8 per cent higher than a year earlier.

The estimate of the value of physical increase of retailers' stocks at 1975 prices and seasonally adjusted (table 2) suggests little change in February. With most of the effects of the backdated tax reductions and lorry drivers' dispute appearing to have worked themselves through, the ratio of stocks to retail sales (table 3) now stands at the average level of the first three quarters of last year.

Inquiries: Department of Trade, Economics and Statistics Division 6C, Room 351, Sanctuary Buildings, 20 Great Smith Street, London SW1P 3DB, tel. 01-215 3705.

Notes

1 The book values are valued exclusive of VAT.

2 For the estimates at constant prices, it should be borne in mind that, when price increases are large, the various problems associated with revaluation of the value series to constant prices become more acute. Thus the relative accuracy with which constant price changes have been measured is likely to have been reduced in recent periods.

3 The statistics given in table 2 were introduced in an article in *Trade and Industry*, 28 March 1975, and those in table 3 were introduced in an article in the issue of 17 March 1978.

4 Long-run series back to 1970 for table 1 and to 1967 for table 2 were included in the article in *Trade and Industry*, 22 September 1978.

Notes for table 3

1 The index numbers of the level of stocks relate to the end of each time period; the index of sales refers to retail sales during the period.

2 The 1971 = 100 index of retail sales has been rebased on the fourth quarter of 1974 for the purpose of this table.

3 The index numbers of the stocks sales ratio are calculated from unrounded estimates of the data in the previous two columns.

Table 1 Level of retailers' stocks

£ million — At cost at end of month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
At book values												
1975	2 766	2 814	2 947	2 856	2 948	2 985	2 962	2 963	3 139	3 452	3 700	3 333
1976	3 151	3 195	3 388	3 389	3 382	3 379	3 311	3 319	3 547	3 941	4 229	3 799
1977	3 656	3 726	4 095	4 163	4 165	4 220	4 029	4 037	4 286	4 695	5 170	4 417
1978	4 197	4 220	4 522	4 597	4 625	4 744	4 637	4 658	4 932	5 458	6 004	5 218
1979	4 812 r	4 897										
Change in book values												
1975	−120	48	133	−91	92	37	−23	1	176	313	248	−367
1976	−182	44	193	1	−7	−3	−68	8	228	394	288	−430
1977	−143	70	369	68	2	55	−191	8	249	409	475	−753
1978	−220	23	302	75	28	119	−107	21	274	526	546	−786
1979	−406 r	85										
Percentage change on a year earlier												
1975	15	17	17	10	10	10	10	11	13	14	16	15
1976	14	14	15	19	15	13	12	12	13	14	14	14
1977	16	17	21	23	23	25	22	22	21	19	22	16
1978	15	13	10	10	11	12	15	15	15	16	16	18
1979	15	16										
At constant (1975) prices – percentage change on a year earlier												
1975	−7	−6	−7	−12	−12	−11	−11	−10	−7	−5	−3	−3
1976	−2	−2	—	5	2	1	1	1	1	2	1	—
1977	1	1	4	5	5	6	3	3	3	2	5	1
1978	1	1	−1	—	1	3	6	6	7	8	8	10
1979	7	8										

r Revised.

Table 2 Retailers' stocks at 1975 prices

Seasonally adjusted — £ million

	Stocks level	Value of physical increase
1971		
1st qtr	2 720	−34
2nd	2 722	2
3rd	2 738	16
4th	2 766	28
1972		
1st qtr	2 776	10
2nd	2 834	58
3rd	2 809	−25
4th	2 795	−14
1973		
1st qtr	2 934	139
2nd	3 248	314
3rd	3 323	75
4th	3 419	96
1974		
1st qtr	3 356	−63
2nd	3 409	53
3rd	3 315	−94
4th	3 239	−76
1975		
1st qtr	3 134	−105
2nd	3 039	−95
3rd	3 079	40
4th	3 139	60
1976		
1st qtr	3 146	7
2nd	3 079	−67
3rd	3 125	46
4th	3 152	27
1977		
1st qtr	3 269	117
2nd	3 273	4
3rd	3 214	−59
4th	3 181	−33
1978		
1st qtr	3 243	62
2nd	3 371	128
3rd	3 425	54
4th	3 514	89
1978		
October	3 473	48
November	3 602	129
December	3 514	−88
1979		
January	3 421 r	−93 r
February	3 415	−6

r Revised.

Table 3 Relationship of retailers' stocks to retail sales

Index numbers – fourth quarter 1974 = 100 — Seasonally adjusted

	Stock levels at 1975 prices	Retail sales at 1971 prices	Ratio of stocks to sales
1966	77	83	93.6
1967	80	84	94.5
1968	84	87	95.9
1969	85	88	97.5
1970	85	90	94.8
1971	85	91	93.7
1972	86	96	89.9
1973	106	100	105.0
1974	100	99	100.7
1975	97	97	99.7
1976	97	97	100.3
1977	98	94	104.0
1978	108	99	109.0
1975			
1st qtr	97	100	97.0
2nd	94	99	94.9
3rd	95	95	100.0
4th	97	95	102.1
1976			
1st qtr	97	96	100.7
2nd	95	97	97.8
3rd	96	98	98.8
4th	97	97	100.7
1977			
1st qtr	101	94	107.2
2nd	101	93	108.3
3rd	99	95	104.5
4th	98	95	103.0
1978			
1st qtr	100	97	103.3
2nd	104	98	105.9
3rd	106	101	104.8
4th	108	102	106.6
1978			
October	107	100	106.8
November	111	101	110.5
December	108	104	104.6
1979			
January	106	100	105.8 r
February	105	101	104.8

r Revised.

New centralised store for Otis Elevator Co, Kirkby. For smaller components the company chose a Dexion slotted angle narrow-aisle installation, serviced by an order-picker, which offers 6000 locations in Dexion P.60 Maxi bins.

Wholesale price indices in March

Output prices

The provisional price index for the home sales of manufactured products increased by ¾ per cent in March to 162.9 (1975 = 100).

The index for manufactured products other than food, drink and tobacco was 1 per cent higher. More than a quarter of this increase was caused by the residual effects (see note) of February's price increases for petroleum products. This index rose 3¾ per cent in the latest three months.

Higher prices for iron castings, copper tubes and aluminium castings made the most significant contribution to the 1½ per cent increase in the index for the metal manufacturing industries. This index rose by 4¼ per cent in the latest three months.

Almost three-quarters of the 1¼ per cent increase in the index for the bricks, cement, etc, industries was accounted for by higher prices for asbestos cement goods and pre-cast concrete goods. This index also rose 4¼ per cent in the latest three months.

Higher prices for weft knitted fabrics and warp knitted fabrics in the piece accounted for almost one half of the 1¼ per cent increase in the index for the textile industries.

Higher prices for printing and writing paper, toilet paper and household tissue products accounted for two-thirds of the 1¼ per cent increase in the index for the paper industries.

The index for the output of the food manufacturing industries increased by ¼ per cent in March as a result of slightly higher prices throughout the sector. This index has increased by 1¾ per cent in the latest three months.

The change in the index for all manufactured products measured over a 12-month

More about wholesale price indices

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Table 1 Price index numbers of materials and fuel purchased

1975 = 100

1968 SIC Orders or MLH Numbers		1978				1979	1978							1979	
		1st qtr	2nd qtr	3rd qtr	4th qtr	1st qtr p	Mar	Aug	Sep	Oct	Nov	Dec	Jan	Feb p	Mar p
Orders III to XIX	Materials and fuel purchased by manufacturing industry:	140.2	146.3	144.9	147.1	152.2	142.0	144.2	144.8	145.7	147.3	148.3	150.8	152.0	153.8
	Materials [1]	139.5	145.5	143.8	146.2	151.7	141.4	143.0	143.7	144.7	146.5	147.5	150.3	151.6	153.3
	Coal (except for carbonising), gas and electricity	145.5	152.9	152.8	153.0	153.9	147.0	152.8	152.8	153.0	153.0	153.1	153.1	153.0	155.7
Orders IV to XIX	Materials and fuel purchased by manufacturing industry, other than food, drink and tobacco manufacturing industries	134.2	141.5	139.2	140.9	146.7	136.5	138.8	139.1	139.8	141.5	141.3	144.6	146.7	148.9
	Materials [1]	132.1	139.3	136.6	138.6	145.2	134.5	136.2	136.4	137.3	139.3	139.1	142.9	145.3	147.5
Order III	Materials and fuel purchased by the food, drink and tobacco manufacturing industries	151.1	155.2	156.4	159.1	163.0	152.0	155.3	156.3	157.5	158.6	161.2	162.6	162.6	163.7
	Materials and fuels purchased by selected broad sectors of industry														
211 to 229	Food manufacturing industries	153.7	157.0	157.2	160.8	164.2	154.7	155.2	157.6	159.0	160.3	163.1	164.4	163.7	164.6
	Materials	153.7	157.0	157.3	161.0	164.5	154.8	155.2	156.7	159.1	160.5	163.4	164.7	163.9	164.8
	Fuel [2]	152.1	155.9	155.9	156.0	158.3	152.4	155.8	155.9	156.0	156.0	156.1	156.1	158.4	160.3
211 to 229 (excluding MLH 219)	Food manufacturing industries (excluding animal and poultry foods)	153.8	156.2	157.5	161.1	164.1	154.6	155.6	158.3	159.4	160.6	163.4	164.5	163.6	164.1
Order V	Chemicals and allied industries	149.0	153.4	153.2	155.3	160.7	150.1	152.9	153.6	155.0	155.1	155.7	157.8	161.4	162.9
311 and 312	Steel industries	141.2	145.7	146.7	148.8	153.0	143.0	146.4	147.6	148.3	148.7	149.4	150.7	152.5	155.7
321 to 323	Non-ferrous metals industry	135.5	142.3	146.7	155.6	171.4	136.3	146.8	150.2	155.0	155.2	156.6	161.5	173.6	179.1
Order VII (excluding MLH 342)	Mechanical engineering industries	148.1	152.5	155.8	159.3	162.7	149.5	156.0	157.1	158.5	159.5	160.0	161.1	162.9	164.0
Order IX	Electrical engineering industries	143.4	148.3	151.2	155.2	163.0	144.6	151.3	152.6	154.4	154.9	156.2	159.2	163.7	166.2
Order X	Shipbuilding and marine engineering industries	150.9	156.0	158.9	162.9	168.0	152.8	158.8	159.9	161.9	162.8	163.9	166.8 p	168.1	169.1
Order XII	Metal goods industries	147.8	152.6	155.5	159.1	163.7	149.5	155.7	156.7	158.3	159.2	159.7	161.3	164.2	165.6
Order XIII	Textile industries	140.8	145.4	146.1	149.6	153.6	142.2	146.1	146.7	148.3	149.5	150.9	152.1	153.6	155.1
Order XV	Clothing and footwear industries	139.5	142.3	144.9	148.4	153.9	139.8	144.5	145.9	147.7	148.0	149.4	152.4	152.9	156.3
461, 464 and 469	Bricks, cement etc, industries	148.6	152.9	154.5	157.2	163.1	150.2	154.5	154.8	156.3	157.4	158.0	160.3	162.8	166.1
462 and 463	Pottery and glass industries	155.3	158.6	160.2	163.3	167.1	155.8	160.3	160.6	162.9	163.2	163.7	165.2	167.2	168.8
Order XVII	Timber industries	146.1	147.0	150.7	153.4	158.6	145.8	150.9	151.8	152.6	153.4	154.2	156.3	158.6	161.0
481 to 484	Paper industries	117.5	120.6	120.2	124.8	129.5	118.2	119.9	119.8	123.9	125.6	125.0	128.8	129.7	129.9
Order XX	Construction materials	153.0	156.6	159.7	162.9	168.5	154.1	159.7	160.6	161.9	163.0	163.8	166.4	168.4	170.7
Part of Order XX	House building materials	152.5	156.2	159.8	163.0	168.4	153.8	159.9	160.9	161.8	163.0	164.1	166.4	168.3	170.4

[1] Includes crude oil and coal for carbonising. [2] Includes petroleum products p Provisional.

Table 1a Price index numbers of materials and fuel purchased by selected sectors of industry

1975 = 100

1968 SIC		1978				1979	1978							1979	
		1st qtr	2nd qtr	3rd qtr	4th qtr	1st qtr p	Mar	Aug	Sep	Oct	Nov	Dec	Jan	Feb p	Mar p
361	Electrical machinery industry	145.5	149.4	152.5	155.6	161.4	146.7	152.6	153.7	154.7	155.6	156.6	159.2 p	161.7	163.3
362	Insulated wires and cables industry	136.2	142.8	145.3	149.7	163.5	137.0	145.7	146.7	148.6	149.0	151.6	156.2	164.9	169.5
364	Radio and electronic components industry	144.8	148.5	151.5	155.3	160.9	146.2	151.5	153.0	154.9	155.3	155.8	158.5	161.3	163.0
368	Domestic appliances industry	149.1	152.1	155.4	158.6	162.5	150.2	155.6	156.6	157.8	158.7	159.2	160.9	162.6	164.0
369	Electrical goods industries n.e.s.	145.9	149.7	153.0	157.3	163.4	146.9	153.1	154.6	156.4	157.3	158.1	160.7	163.7	165.7
381	Motor vehicle industry	148.4	152.6	156.1	159.1	162.8	150.1	156.3	157.2	158.2	159.3	159.7	161.0	163.1	164.2
411	Man-made fibres industry	134.1	137.1	137.4	140.8	145.1	135.2	137.5	137.8	140.4	140.8	141.1	144.2	144.8	146.3
414	Woollen and worsted industry	139.2	150.5	154.3	158.0	165.9	141.2	154.3	153.6	153.0	157.9	163.2	163.7	166.3	167.8
422/1	Household textiles and handkerchiefs industry	140.9	143.7	146.5	149.6	153.2	141.5	146.3	147.4	148.8	149.6	150.3	151.8	153.0	154.9
450	Footwear industry	136.5	139.3	142.2	148.9	158.1	136.7	141.9	143.4	147.6	148.2	150.9	155.3	156.1	162.8
481	Paper and board making industry	115.2	118.5	118.0	123.1	127.4	115.8	117.8	117.6	122.1	123.9	123.2	127.0	127.7	127.5

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period was 8½ per cent, the same as in February, on revised figures. The increase in the index over the latest six months also remained unchanged at 4½ per cent.

Input prices

The provisional price index for materials and fuel purchased by manufacturing industry increased by 1¼ per cent in March to 153.8 (1975 = 100). This index rose by 8¼ per cent over the last 12 months.

The 1¾ per cent increase in the index for coal, gas and electricity was due to increased prices for coal.

The index for materials purchased by manufacturing industry other than the food, drink and tobacco industries increased by 1½ per cent. The index for materials other than crude oil rose by 2½ per cent; higher prices for carbonising coal and further higher prices for hides and skins made the most significant contributions; there where also higher prices for several metals, especially copper and lead.

Higher prices for copper, lead, cobalt and nickel were also responsible for most of the 3¼ per cent increase in the index for materials and fuel purchased by the non-ferrous metals industry. This index rose 14½ per cent in the latest three months.

More than one-half of the 2¼ per cent increase on the index for the clothing and footwear industries was accounted for by higher prices for leather for footwear and warp knitted fabrics in the piece.

Higher prices for coal and, to a lesser extent, for hard coke accounted for almost three-quarters of the 2 per cent increase in the index for the steel industries. Higher prices for coal, in conjunction with higher prices for sand and gravel (uncoated), also made the most significant contribution to the 2 per cent increase in the index for the bricks, cement, etc, industries. The latter index rose 5¼ per cent in the latest three months.

Higher prices for imported softwood were responsible for two-thirds of the 1¼ per cent increase in the index for the timber industries and, in conjunction with higher prices for copper tubes and sand and gravel (uncoated), also made the most significant contribution to the 1¼ per cent increase in the indices for construction materials and house building materials.

Higher prices for home produced cereals made the most significant contribution to the ½ per cent increase in the index for materials purchased by the food manufacturing industries.

Note

The indices relate to the average prices for the month. The full effect of a price change within a month will only be reflected in the index for the following month.

Notes on wholesale price indices

1 Detailed notes on index numbers of wholesale prices were last shown in *Trade and Industry*, 20 October 1978.

2 The index numbers are constructed on a net sector basis. This is to say, the price movements used to compile the index for a particular sector of industry are only those relating to transactions between the sector and other sectors. Transactions between undertakings in the same sector are excluded. Thus index numbers for the whole of manufacturing industry are not weighted averages of sector index numbers.

3 All the index numbers are compiled exclusive of value added tax and (before its abolition) of purchase tax. Revenue duties (on cigarettes and manufactured tobacco, alcoholic liquor, matches and mechanical lighters) are included. The duty on hydrocarbon oils is excluded from output price series that cover these products (unless specifically noted to the contrary) but is included in series for materials and fuel purchased by sectors of industry.

4 Firm and provisional indices, at all levels of aggregation, include imputation for items for which there is no current price information. Additional provisional figures will be published for those indices where there are insufficient returns to allow accurate imputation.

5 Revisions to firm index numbers will only be made if they are significant. These revisions will be notified when the series are next published.

6 Some indices in tables 3 and 4 were only published at intervals of four months on base 1970 = 100. Commencing in December 1978 all available indices on base 1975 = 100 are published every month.

7 Where extension of indices on base 1970 = 100 is required for contract purposes the multiplication factors and explanatory notes are shown in *Trade and Industry* 15 December 1978.

Table 2 Price index numbers of output (home sales)

1975 = 100

1968 SIC Orders or MLH numbers		1978				1979	1978							1979	
		1st qtr	2nd qtr	3rd qtr	4th qtr	1st qtr p	Mar	Aug	Sep	Oct	Nov	Dec	Jan	Feb p	Mar p
Orders III to XIX	Output of manufactured products	149.2	151.8	154.8	157.3	161.5	150.0	154.8	155.7	156.6	157.1	158.3	160.0	161.7	162.8
Orders IV to XIX	Products of manufacturing industries other than food, drink and tobacco manufacturing industries	146.6	149.4	152.3	155.2	160.0	147.4	152.2	153.3	154.5	155.2	156.0	158.1	160.1	161.7
	Output of selected broad sectors of industry														
211 to 229	Food manufacturing industries	157.2	160.1	163.7	165.7	169.8	157.9	163.7	164.4	164.7	164.9	167.6	168.9	170.0	170.5
211 to 229 (excluding MLH 219)	Food manufacturing industries (excluding animal and poultry foods)	159.2	162.1	165.3	167.7	171.3	160.0	165.3	166.2	166.7	166.7	169.6	170.7	171.4	171.9
Order V	Chemicals and allied industries	141.2	142.8	144.2	146.7	151.7	141.8	144.2	144.9	145.8	146.9	147.5	149.9	151.8	153.3
Order VI	Metal manufacturing	149.8	152.7	156.6	160.4	165.7	150.1	156.8	157.8	159.2	160.5	161.5	163.0 p	165.9	168.2
311 and 312	Steel industries	150.6	152.8	156.6	158.7	160.6	151.1	157.1	157.4	157.8	158.9	159.3	159.7 p	160.7	161.3
Orders VII to XII	Engineering and allied industries	147.5	151.0	154.8	158.4	163.4	148.5	154.7	156.0	157.2	158.1	159.8	162.2 p	163.5	164.4
Order VII (excluding MLH 342)	Mechanical engineering	147.7	150.7	154.4	158.2 p	163.6	148.7	154.4	155.9	157.0	157.8	159.7 p	162.6 p	163.8	164.3
Order VIII	Instrument engineering	145.8	147.2	149.4	152.7	158.4	146.4	149.5	149.9	151.8	152.1	154.3	157.0 p	159.0	159.2
Order IX	Electrical engineering	139.4	142.9	145.2	148.7	152.5	140.2	145.4	146.1	147.7	148.8	149.6	151.3	152.5	153.8
Order XI (excluding MLH 383)	Vehicles	157.0	160.0	165.5	168.6	173.9	158.0	165.6	165.9	166.6	168.3	170.9	173.4	174.0	174.3
Order XII	Metal goods industries n.e.s.	150.5	155.6	159.9	164.2	169.0	152.3	159.8	162.6	163.6	164.1	164.8	166.8	169.2	171.1
Order XIII	Textile industries	143.0	145.5	148.9	151.3	155.9	143.6	148.6	150.4	150.8	151.2	151.8	154.4	155.8	157.6
Order XV	Clothing and footwear	138.4	140.8	144.3	147.9	152.1	139.2	143.9	145.8	147.2	148.1	148.5	151.5	152.2	152.7
441 to 445 and 449	Made-up clothing	137.0	139.3	142.9	146.6	150.4	137.7	142.6	144.5	145.9	146.8	147.2	149.7	150.5	150.9
461, 464 and 469	Bricks, cement etc, industries	160.1	166.2	170.3	173.3	179.0	162.2	170.4	171.2	172.9	173.1	173.8	176.8 p	179.0	181.2
462 and 463	Pottery and glass industries	151.9	155.4	158.3	163.7	166.2	153.2	157.8	159.5	163.5	163.9	163.7	165.1	166.5	167.0
Order XVII	Timber industries	144.4	145.8	148.9	151.3	156.8	145.2	148.9	150.1	150.4	151.4	152.2	154.7	157.2	158.5
481 to 484	Paper industries	132.4	133.5	134.5	138.2	142.0	132.5	134.6	134.7	137.5	138.0	139.0	141.1	141.6	143.2

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Table 3 Commodities produced in the United Kingdom (published monthly)

1975 = 100

1968 SIC order or MLH and industry	1978 Mar	1978 Dec	1979 Jan	1979 Feb p	1979 Mar p
II Mining and quarrying					
101 **Coal**	150.9	154.7	154.7	154.7	168.6
102 **Stone and slate quarrying and mining**	164.0	179.0	179.3	180.3	184.5
Stone quarrying and mining					
Limestone and dolomite	171.7	188.7	188.6	189.4	194.7
Uncoated limestone roadstone and aggregates	158.0	172.6	171.3	173.4	176.4
Coated limestone roadstone	166.2	179.8	180.1	180.3	187.5
Granite	150.0	161.4	162.2	162.4	164.7
Granite and other chippings, aggregates and roadstone	142.4	157.4	159.3	159.8	159.9
Granite and other chippings	145.2	154.3	157.6	158.3	158.4
Coated granite and whinstone roadstone	154.9	164.0	164.0	164.2	167.8
Slate quarrying and mining					
Roofing slates	184.7	204.4	204.4	225.2	228.6
103 **Chalk, clay, sand and gravel extraction**	170.6	180.6	189.0	193.9	199.5
Sand and gravel (uncoated)	195.9	214.5	215.4	224.1	230.7
Sand and gravel (ex-pit or works)	197.1	215.4	216.7	225.7	232.2
Sand and gravel (delivered)	174.1	187.6	188.3	199.3	205.1
Clay, brick, earth, marl and shale					
China clay	141.4	141.4	158.5	159.1	163.5
109 **Other mining and quarrying**	173.4	182.4	183.1 p	184.6	195.5
109/3 **Salt**	189.8	198.9	198.9	198.9	215.3
III Food, drink and tobacco					
231 **Brewing and malting**	148.5	149.3	149.3	152.8	154.3
240 **Tobacco**	156.0	161.2	161.2	161.4	161.4
IV Coal and petroleum products					
261 **Coke ovens and manufactured fuel**					
Foundry coke	146.9	152.5	152.5	152.5	159.4
262 **Mineral oil refining**					
Motor spirit (including duty) [1]	130.9	130.9	130.9	133.8	135.6
Gas/diesel oil (including duty) [1]	166.0	166.2	166.2	172.4	176.3
Gas oil fuel (including duty) [1]	168.6	168.6	168.6	175.8	180.5
Derv (including duty) [1]	160.3	160.3	160.3	163.9	166.0
Medium fuel oil (950 seconds including duty) [1]	169.5	169.5	169.5	174.1	177.1
V Chemicals and allied industries					
271 **General chemicals**	143.1	149.7	154.3 p	155.7	157.8
271/1 **Inorganic chemicals**	150.8	158.3	161.6 p	162.0	162.9
Inorganic acids and oxygen compounds of non-metals	131.5	137.0	139.0 p	139.3	139.6
Metallic oxides, hydroxides, peroxides and other inorganic bases	154.5	161.1	162.5	163.7	165.1
Metallic salts and peroxy salts of inorganic acids	152.7	161.3	162.6	163.0	164.0
Soda ash	166.1	177.5	177.5	177.5	177.5
Metallic salts and peroxy salts of inorganic acids-other than soda ash	149.1	157.0	158.6	159.2	160.3
271/2 **Organic chemicals**	136.9	144.3	151.4	153.6	155.0
Hydrocarbons other than products of coal tar etc	124.2	142.7	157.5	159.7	161.0
Halogenated, sulphonated, nitrated or nitrosated derivatives of hydrocarbons	152.5	156.7	159.2	159.5	162.1
Alcohols, phenols and pheno-alcohols	130.1	131.7	138.2	143.7	145.1
Nitrogen function compounds	140.2	139.2	139.2	139.8	140.7
271/3 **Other chemicals**					
Bleaching materials	171.7	191.5	192.2	192.2	194.2
Plasticisers, mixed or unmixed	127.8	128.9	128.9	136.8	143.7
272 **Pharmaceutical chemicals and preparations**					
Pharamaceutical chemicals					
—central nervous system	166.6	173.1	177.5	178.3	180.1
Pharmaceutical preparations	148.8	159.8	160.1 p	161.6	162.3
—central nervous system	163.8	182.3	182.4	185.5	186.2
Anaesthetics	140.4	146.0	146.0	146.0	146.0
Analgesics	154.8	171.1	171.1	177.3	177.9
Psycho analeptics	177.3	182.3	182.3	182.3	182.3
—cardiovascular system	169.5	172.7	172.7	175.0	175.5
Plain hypotensives	170.7	171.2	171.2	171.2	171.2
—respiratory system	165.7	179.4	179.4	183.2	183.3
Cough and cold preparations	170.7	179.7	179.9	188.6	188.6
—alimentary tract and nutrition	136.7	152.4	152.7 p	152.8	155.4
—dermatologicals	150.9	152.9	153.9	154.6	155.1
—general anti-infectives					
Antibiotics	124.3	128.3	128.5	128.6	128.9
Penicillins	144.3	154.9	154.9	154.9	154.9
273 **Toilet preparations**	143.3	152.2	158.0 p	159.2	160.1
—specifically for men	144.1	151.3	157.5	157.7	158.0
After-shave, cologne and pre-shave lotions in alcoholic lotion form	159.0	166.5	176.4	176.4	176.4
—other than specifically for men	143.2	152.3	158.1 p	159.4	160.3
Hair preparations (excl. shampoos)	145.6	159.2	170.8	170.8	172.0
Talc and dusting powders and bath preparations					
Talc and dusting powders	148.4	159.3	162.6 p	164.3	164.5
Bath oils, cream and liquid essences	134.1	152.8	153.8	153.8	154.8
Make-up preparations	144.1	148.8	153.8 p	156.3	157.5
Lipsticks and lip glosses inc. lipsalve	143.6	149.4	151.7 p	152.9	154.8
Face powders	143.7	152.2	162.8 p	164.8	165.9
Liquid and cream facial make-up preparations	147.4	157.0	160.8 p	163.8	166.4
Eye shadow and mascara	150.5	153.2	160.9 p	162.2	163.0
Nail preparations	131.1	131.1	133.1	140.3	140.3
Creams and lotions	131.7	139.1	141.5 p	146.8	147.8
Facial beauty care preparations	128.3	137.6	141.0 p	143.3	143.7
Cleansing creams, cold creams, lotions and milks, moisturisers, nourishing and night creams	129.1	134.1	138.4 p	141.3	141.8
General creams and lotions					
Hand creams, lotions and gels	156.5	166.2	168.0 p	168.0	171.1
Deodorants, anti-perspirants and depilatories	131.4	135.8	141.3	141.9	142.8
Dental toothpaste and powder	145.3	152.0	156.3 p	156.3	157.1
Soapless shampoos	150.5	160.4	175.1	175.1	176.4
274 **Paint**	140.4	142.1	145.4 p	149.1	150.7
Air drying and stoving finishers, undercoats, primers, surfacers and sealers, varnishes and lacquers					
Building structural and preservative products	140.6	141.3	145.4 p	149.1	149.8
Emulsion paints	138.4	138.6	142.0 p	145.8	146.5
Filling and sealing compounds of all types	127.1	134.5	134.7	147.3	147.6
275 **Soap and detergents**	133.7	141.7	142.1 p	142.7	143.6
Fatty acids	133.7	148.7	145.8	143.3	149.8
Soap (excluding scouring preparations)	130.8	136.9	137.9 p	138.2	138.4
Toilet soap in tablet form	128.3	133.7	134.7 p	134.7	134.7
Finished synthetic detergents compounded materials primarily for washing purposes	132.0	140.8	141.3 p	142.6	142.6
276 **Synthetic resins and plastics materials and synthetic rubber**	141.1	143.1	144.6 p	147.1	150.1
276/1 **Synthetic resins and plastics materials**	140.9	142.8	144.3 p	146.6	149.9
Products of condensation, polycondensation and polyaddition	141.1	142.3	145.1 p	149.7	151.9
Products of polymerisation and copolymerisation	138.7	139.5	140.9 p	141.7	145.1
Acrylics	128.9	131.4	131.4	131.4	134.7
Polyethylene granules, compounds and powders	134.0	136.7	139.4 p	140.8	141.8
Styrene polymers and copolymers	136.4	131.7	134.6 p	136.7	138.3
Cellulosics and other plastics and modified natural resins	132.7	141.6	143.6	145.2	145.7
Intermediate forms between the resin and semi-fabricated stages	147.4	148.3	148.5 p	148.7	159.4
Semi-finished products	144.6	147.7	148.8 p	153.8	155.3
Polyvinyl chlorides	155.1	156.3	157.6	158.6	168.3
277 **Dyestuffs and pigments**	149.5	165.0	165.1 p	165.4	165.7
Pigments	149.9	165.6	165.7	166.1	166.5
Inorganic pigment colours	159.6	166.2	166.2 p	167.6	168.6
White lead [1]	150.4	194.0	207.7	225.0	236.1
278 **Fertilisers**	139.6	143.8	145.2	145.6	145.6
279 **Other chemical industries**	141.8	149.8	152.2 p	154.4	154.1
Explosives, fireworks, etc	152.3	162.6	164.2	165.1	165.6
279/4 **Formulated pesticides**	140.5	148.7	151.1 p	153.3	153.8
Disinfectants	133.9	146.0	148.1 p	148.6	148.9
Pesticides	149.6	155.3	159.8	164.6	165.6
Insecticides (other than seed dressings)	151.2	156.7	161.6	167.0	167.0
Containing organophosphorous compounds	130.6	127.2	126.9	126.9	126.9
Preparations for plant control					
Herbicides	139.1	142.6	144.6 p	146.6	147.0
279/6 **Surgical bandages, etc**	139.0	149.0	154.2	154.4	154.8
Surgical and medicated dressings	141.7	154.8	159.0	159.3	159.
Disposable sanitary goods					
Sanitary towels and tampons	136.6	143.7	150.0	150.0	150.8
279/7 **Photographic chemical materials**	143.5	147.2	148.6	151.7	151.9
VI Metal manufacture					
311/2 **Steel**	151.2	158.1	158.5	158.9	159.3
Non-alloy steels	151.2	157.4	157.8	158.1	158.5
Ingots, blooms, billets, slabs	160.7	165.0	165.0	165.0	165.0
Heavy rails, sleepers and fishplates, etc	148.6	148.9	160.1	160.1	160.1
Heavy rolled products, 80 mm and over	161.0	161.4	162.1	163.4	163.4
Angles, tees and other sections	156.6	156.9	158.0	160.2	160.2
Girders, beams, joists, columns	163.0	163.2	163.7	164.6	164.6
Rods and bars in coils	143.8	151.4	151.4	151.4	151.4
Steel strip (non-alloy)	145.9	158.1	158.1	158.1	158.1
Hot rolled strip (under 600 mm wide)	145.0	156.3	156.3	156.3	156.3
Plates in coils and cut lengths	132.1	134.4	134.4	134.4	134.4
Steel sheet (under 3 mm thick)	154.5	162.1	162.1	162.1	162.1
Uncoated steel sheet	158.7	167.6	167.6	167.6	167.6
Uncoated steel sheet hot rolled	140.4	152.0	152.0	152.0	152.0
Uncoated steel sheet cold reduced	160.6	169.2	169.2	169.2	169.2
Electrical steel sheet	158.7	167.7	167.7	167.7	167.7
Galvanised steel sheet	143.5	147.7	147.7	147.7	147.7
Light sections	143.1	145.1	145.8	147.0	147.0
Tinplate and blackplate	165.3	171.5	171.5	172.3	172.7
Tinplate	165.4	171.6	171.6	172.4	172.8
Blackplate	155.2	162.4	162.4	162.4	162.4
Bright steel bars, non-alloy	156.5	168.3	168.3	168.6	168.6
Forgings (other than drop forgings)	164.5	176.8	177.1	177.5	177.9
Non-alloy steel castings	152.9	169.8	170.1	170.1	170.1
Stainless and heat resisting alloy steels	146.3	153.4	153.4	153.4	153.4
Sheets (under 3 mm thick)					
Stainless steel sheets	154.7	166.9	166.9	166.9	166.9
Stainless steel castings	146.4	162.3	162.3	162.3	162.3
Alloy steels other than stainless and heat resisting	153.9	166.5	166.7	168.1	168.4
Ingots, blooms, billets, slabs (excluding tube)	159.7	172.5	173.1	176.8	176.8
Bars and rods other than in coil (excluding bright bars)	149.0	160.4	160.5	162.4	161.9
Plates in coils and cut lengths	124.6	138.4	138.4	138.4	138.4
Alloy steel castings	151.2	164.2	164.4	164.4	164.4

Table 3 Commodities produced in the United Kingdom (published monthly) *continued*

1975 = 100

1968 SIC order or MLH and industry	1978 Mar	1978 Dec	1979 Jan	1979 Feb p	1979 Mar p
	Structural steel	146.4	150.0	150.2	150.6	150.6
	Steel for reinforcement (cut, bent, and delivered)	150.6	158.9	158.9	158.9	158.9
	Light re-rolled bars and sections	143.9	148.3	148.5	148.9	152.4
312	**Steel tubes**	151.8	163.3	163.4 p	163.5	163.5
	Fittings for steel tubes	140.2	151.0	153.7 p	155.0	155.0
	Steel tubes (other than electric conduit tubes)	157.5	171.4	171.4 p	171.4	171.4
313	**Iron castings and pig iron**	147.8	159.8	161.9 p	166.0	169.3
313/3 313/4	**Iron castings**	148.4	161.2	163.6 p	166.0	168.8
313/3	**Engineering castings**	145.4	155.3	158.6 p	161.5	163.5
	Vehicle iron castings	141.4	151.4	157.3 p	160.2	161.0
	Industrial and marine iron castings	148.7	158.4	159.7 p	162.6	165.6
	Heavy engineering	147.4	157.5	158.6 p	164.8	166.1
	Light engineering and hydraulic	144.8	157.3	158.7 p	160.9	162.0
313/4	**Other iron castings**					
	Building and domestic goods	151.4	175.7	176.0 p	178.8	188.4
	Cast and spun iron pipes and fittings	150.7	164.5	164.5 p	164.5	166.3
321	**Aluminium and aluminium alloys**					
	Semi-manufactures (excluding castings and forgings)					
	Aluminium plate, sheet, strip, circles and blanks	185.7	180.6	180.3	185.7	185.7
	Aluminium extrusions and tubes (bars, rods, sections, etc)	174.9	186.7	185.6	184.8	184.8
	Aluminium forgings	171.5	191.5	191.5	191.5	191.5
322	**Copper, brass and other copper alloys**					
	Copper					
	Copper tubes	134.0	153.9	161.2	176.2	190.7
	Copper sheet and strip	130.9	150.3	157.1	172.5	177.3
	Brass and other copper alloys					
	—unwrought	118.0	133.7	138.5	157.7	161.3
	—semi-manufactures	118.6	139.0	142.7	156.0	160.6
323	**Miscellaneous non-ferrous metals**					
	Lead and lead alloys					
	—semi-manufactures	157.1	209.9	231.9	243.6	247.3
	Nickel [1]	121.3	105.2	99.4	107.4	125.7
	Titanium	155.8	208.4	212.0	212.0	212.0
VII	**Mechanical engineering**					
331	**Agricultural machinery**	159.8	174.8 p	176.1 p	176.4	177.4
	Soil preparation and cultivation machinery	159.3	169.8	170.6	171.0	173.9
	Harvesting, threshing, feed processing etc, machinery	160.6	179.3 p	181.4 p	181.8	182.0
	Pick-up balers	161.5	178.3	179.8	179.8	179.8
	Grinding mills and meal mixers excluding combined mills and mixers)	152.5	165.5	173.7	175.7	176.1
	Milking machinery					
	Milking machines, including parts	169.9	173.0	173.0	173.0	173.6
	Elevators and conveyors (excluding tractor mounted hydraulic loaders)	165.3	182.6	187.2 p	187.2	187.8
332	**Metal working machine tools**	152.1	166.7 p	169.0 p	169.7	170.7
332/1	**Metal cutting machine tools**	154.0	167.6	170.4	170.6	171.4
332/2	**Metal forming machine tools**	150.2	165.7 p	167.4 p	169.5	170.7
333	**Pumps, valves, compressors and fluid power equipment**	144.2	156.0 p	157.8 p	159.1	159.6
333/1	**Pumps**	147.1	157.3 p	159.3 p	160.8	161.0
	Centrifugal pumps	148.3	156.0 p	158.5 p	159.8	160.0
	Positive displacement pumps	144.0	163.5	163.5	164.4	164.4
	Kerbside petrol and oil measuring pumps and parts	143.3	149.2	152.1	160.2	161.1
333/2	**Industrial valves**	135.8	148.2	149.4 p	151.0	152.3
	Valves – ferrous metal	133.0	144.8	145.5 p	146.1	146.7 e
	Iron valves	147.8	160.6	161.1	162.9	163.5
	Steel valves	128.1	139.5	140.3 p	140.5	141.1
	Valves – non-ferrous metal	143.6	158.1	160.7	165.1	168.2
333/3	**Air and gas compressors**	155.2	166.7	167.2 p	167.9	169.2
333/4	**Fluid power equipment**	147.2	159.6 p	161.8 p	163.1	163.3
	Oil/hydraulic fluid power equipment	148.1	163.0 p	166.3 p	166.5	166.8
	Pneumatic control fluid power equipment	145.5	153.4	153.5	157.0	157.0
334	**Industrial engines**	161.6	172.6	180.3 p	182.6	183.6
	Diesel compression internal combustion engines	161.3	173.0	180.9 p	183.4	184.4
336	**Construction and earth-moving equipment**	164.1	175.7	177.9 p	178.6	178.8
	Excavators, trenchers, ditchers and digging machinery including parts	170.6	183.2	186.7	187.1	187.1
	Wheeled tractor shovels, crawler tractors, dumpers and other earth-moving equipment	163.9	176.4	178.1	178.8	178.9
	Dumpers and dump trucks	151.3	161.9	163.4	164.1	164.1
	Concrete mixing and placing machinery	152.2	161.7	166.6 p	168.8	170.7
	Crushing, pulverising and screening plant, including parts	151.6	163.6	165.7 p	166.5	167.1
337	**Mechanical handling equipment**	148.4	159.5	162.1 p	164.3	164.6
337/2	**Cranes and transporters**	149.4	160.2	165.0	166.1	166.1
337/4	**Lifting and winding devices**	147.8	160.7	162.9	163.3	163.6
337/5	**Powered industrial trucks and tractors**	155.6	166.2	169.3 p	174.6	174.7
339/1	**Mining machinery**	143.8	155.0 p	157.4 p	158.4	159.1
339/3	**Refrigerating machinery**	158.6	167.8 p	171.0 p	172.1	173.9 e
339/5	**Scales and weighing machinery (excluding precision balances)**	144.8	155.2	168.0	169.1	169.1
339/6	**Portable power tools**	146.7	157.7 r	158.2	158.9	160.2
	Portable power tools, non-electric – pneumatic					
	—for civil engineering, mining and quarrying	154.3	168.4	168.4	172.1	173.1
	—for general engineering	150.5	167.7	167.8	167.9	172.8
	Portable power tools, electric	144.0	151.5	152.2	152.2	152.5
	—power drills	150.9	156.6	157.1	157.1	157.1
339/7	**Food and drink processing machinery**	148.1	158.9 p	168.3 p	169.9	170.3
339/9	**Miscellaneous (non-electrical) machinery**	153.8	167.3 p	168.8 p	171.0	171.3
VIII	**Instrument engineering**					
352	**Clocks, watches and time recorders**	151.8	157.8	160.9 p	163.0 e	163.5 e
	Clocks	156.1	164.2	168.0	170.3 e	170.8 e
354	**Scientific and industrial instruments and systems**	143.9	151.7	154.6 p	156.2	156.4
354/2	**Other scientific and industrial instruments and systems (non-optical)**	143.2	152.8	154.0 p	154.5	154.8
	Analytical instruments					
	Spectrophotometers and absorptionmeters	132.7	136.7	138.5 p	139.6	139.9
	Electrical measuring, testing and controlling instruments and apparatus	138.5	142.7	148.7 p	149.4	149.5
IX	**Electrical engineering**					
365	**Broadcast receiving and sound reproducing equipment**	127.7	133.5 p	133.7 p	133.8	133.9
365/1	**Gramophone records and pre-recorded tapes**	142.2	161.1	161.1 p	161.5	161.5
	Gramophone records	143.7	163.3	163.3 p	163.8	163.8
	—33⅓ rpm	144.9	164.7	164.7 p	164.7	164.7
	—45 rpm	138.6	156.8	156.8 p	159.6	159.6
	Pre-recorded tapes (other than video)	134.8	150.3	150.3	150.3	150.3
365/2	**Broadcast receiving and sound reproducing equipment, other than gramophone records and pre-recorded tapes**	123.3	125.0 p	125.3 p	125.4	125.5
	Domestic television receivers	126.2	128.7 p	128.7 p	128.7	128.7
	—monochrome	126.9	128.6	128.6	128.6	128.6
	—colour	126.2	128.7 p	128.7 p	128.7	128.7
	Stereo audio systems, incorporating turntable/amplifier	111.9	110.7 p	111.1 p	111.4	111.7
368	**Electrical appliances primarily for domestic use**	149.8	160.6	161.4	161.9	163.3
	Domestic electric cooking apparatus	150.9	164.9	165.1	166.1	168.5
	Domestic electric flat irons	145.3	155.3	155.3	155.3	165.5
	Domestic electric heating apparatus	155.6	167.1	169.2	169.9	169.9
	Domestic space heating apparatus	162.2	171.8	173.6	174.9	174.9
	Electric water heaters	150.8	171.9	172.4	172.4	172.4
	Vacuum cleaners	153.3	163.1	163.1	163.7	166.3
	Domestic refrigerators and freezers	141.9	148.1	148.4	148.4	148.4
	Miscellaneous domestic electric appliances (includes food and drink mixers, hair dryers and dry shavers)	148.9	159.2	161.3	161.3	161.3
369/4	**Electric lamp bulbs and tubes**	153.8	165.1	165.1	165.1	165.1
	Fluorescent tubular lamps	153.5	167.3	167.3	167.3	167.3
	Electric lamp bulbs, filament type —exceeding 28 volts	155.7	165.6	165.6	165.6	165.6
XI	**Vehicles**					
380	**Wheeled tractors, complete**	174.2	188.2	194.2	194.3	194.3
381	**Motor vehicles**	158.2	171.4	173.9	174.5	174.9
	Passenger cars	162.3	174.3	177.3	178.2	178.2
	Passenger cars [2]	162.3	174.3	177.3	178.2	178.2
	Commercial and public service vehicles	159.0	175.1	178.2	178.3	178.3
	Commercial vehicles	160.3	174.8	178.4	178.5	178.5
	Commercial vehicles and chassis not exceeding 3.5 tons gvw	167.4	181.6	186.3	186.5	186.5
	Commercial vehicles and chassis exceeding 3.5 tons but not exceeding 16 tons gvw	158.1	173.1	176.2	176.3	176.3
	Commercial vehicles and chassis exceeding 16 tons gvw	154.5	168.5	171.2	171.3	171.3
	Public service vehicles	156.3	175.8	177.8	177.9	178.0
XII	**Metal goods not elsewhere specified**					
390	**Engineers small tools and gauges**	165.3	181.6	182.4 p	186.3	188.3
	Engineers cutting tools	165.3	182.9	183.4 p	185.2	186.6
	Diamond tipped tools and diamond dies	155.7	201.9	211.8	224.9	224.9
	Saws					
	Hacksaw blades	186.0	201.8	203.0	214.0	216.6
	Milling cutters	149.3	163.4	163.4	163.4	165.7
	Engineers gauges and measuring instruments	162.8	183.6	183.8	190.9	192.1
391	**Hand tools and implements**	160.1	173.4	175.0	177.0	177.4
	Agricultural, horticultural and foresters hand tools	173.1	187.4	187.4	187.4	187.4
	Hand saws and hand saw blades	178.0	204.9	204.9	206.0	206.2
	Hand tools and implements excluding agricultural and foresters hand tools and saws and saw blades	156.7	169.7	172.1	175.1	175.5
	Pliers, pincers and nippers, etc	182.1	193.7	196.9	203.3	204.4
	Spanners and wrenches	160.3	173.6	175.7	181.6	182.6
	Planes, hammers, cold chisels etc, screwdrivers, wood chisels and gouges	155.3	174.7	176.1	176.1	176.1
	Measuring and marking out tools	146.1	155.4	155.4	155.6	155.7
392	**Cutlery, spoons, forks and plated tableware etc**	148.4	163.0	164.7	166.4	167.5
	Finished cutlery suitable for domestic or personal use	151.8	157.7	167.5	169.7	171.1
	Scissors and tailors' shears (including pinking shears)	158.2	164.5	168.0	171.8	171.8
393	**Bolts, nuts, screws, rivets etc**	165.4	172.5	172.6	172.8	174.3
	Precision standard bolts etc, of high tensile steel	150.1	152.5	152.7	152.7	153.8

Table 3 **Commodities produced in the United Kingdom (published monthly)** *continued*

1975 = 100

1968 SIC order or MLH and industry	1978 Mar	1978 Dec	1979 Jan	1979 Feb p	1979 Mar p
394 **Wire and wire manufactures**	145.9	156.9	158.8	161.5	168.0
Iron and steel wire	149.3	158.4	159.3	159.7	165.9
Single drawn wire other than alloy and high carbon steel	148.7	160.9	160.9	160.9	160.9
Wire ropes (excluding insulated electric wire and cable)	144.5	150.8	155.9	158.0	158.0
Iron and steel woven wire, cloth gauze fabric etc, (excluding netting and fencing) of square or rectangular mesh	158.3	159.4	159.4	160.6	173.8
—stainless steel	149.7	150.3	150.3	151.9	163.0
—other than stainless steel	162.7	164.1	164.1	165.1	179.3
Other wire manufactures, ie grille netting, fencing reinforcement fabric etc	147.4	157.3	157.3	157.3	158.4
Wire of copper, brass and other copper alloys					
Woven wire cloth, gauze fabric, etc, of copper and brass, etc	150.2	151.8	151.8	152.4	174.8
Reinforcement fabrics	143.3	150.3	150.3	150.3	151.7
Chain link fencing	155.4	170.0	170.0	170.0	171.3
399 **Metal industries not elsewhere specified**	150.9	163.0	164.6 p	166.6	167.8
399/1 **Metal furniture**	141.2	156.9	158.2	158.3	159.1
Office metal furniture	149.4	165.5	167.8	168.0	168.3
Filing cabinets and other filing containers	155.9	172.1	172.2	172.2	172.2
399/2 **Metal windows and door frames**	163.1	175.3	177.4	179.4	181.9
399/6 **Domestic hollow ware**	154.0	163.6	167.4	174.3	174.3
Cookware	157.5	168.4	171.3	181.6	181.6
399/7 **Vats, tanks, cisterns and other industrial hollow ware**	149.8	162.4	162.6	162.6	162.7
Steel drums	152.2	165.6	165.8	165.8	165.8
399/8 **Needles, pins, fishhooks and other metal smallwares**	160.7	181.6	181.9	184.4	186.1
399/9 **Domestic gas appliances**	159.1	169.9	171.3	171.5	172.0
Gas cookers	159.9	169.5	170.8	170.8	170.8
Gas fires and space heaters	159.1	171.6	171.8	172.6	174.3
Water heaters and other domestic gas apparatus (excl. refrigerators and meters)	156.0	168.7	172.5	172.6	172.7
399/12 **Miscellaneous metal goods**					
Sanitary ware and plumbing fixtures and fittings	150.5	166.4	169.9	175.9	180.1
Fire extinguishers (hand operated chemical type only)	134.4	150.5	151.5	152.4	152.4
Catering equipment	151.5	164.9	166.2	168.1	169.2
Plumbers brassware	149.3	167.8	168.0	173.4	176.3
XIII Textiles					
411 **Man-made fibres production**	126.5	129.1	130.4	132.3	133.1
Man-made fibres – continuous filament yarn	135.6	139.4	141.2	144.5	145.7
412 **Spinning and doubling on the cotton and flax systems**					
Single yarns spun on the cotton and flax systems	139.4	151.7	153.5	153.9	155.2
Single yarns of man-made staple fibres spun on the cotton and flax systems	r39.2	144.3	145.1	145.1	146.1
Man-made continuous filament yarns, textured, bulked or crimped – synthetic fibres	119.0	131.0	131.5	135.2	137.2
Finished thread for sewing, embroidery, etc	166.8	180.6	181.1	181.1	181.1
—of man-made fibres	140.0	150.6	151.2	151.2	151.2
413 **Weaving of cotton, linen and man-made fibres**	134.6	141.1	144.3	144.6	145.5
Woven cotton cloth in the loomstate	140.3	148.4	149.1	149.5	150.6
Cloth wholly of man-made continuous filament yarn on the loomstate	129.1	136.3	139.0	139.0	139.8
Man-made fibre tyre cord and tyre fabric	134.9	133.0	140.4	140.4	140.4
Woven linen	162.5	172.1	172.8	177.0	177.0
Woven fabric of glass fibre	162.4	164.5	173.3	173.3	173.3
414 **Woollen and worsted products**	151.0	158.9	159.7	161.5	165.4
414/1 **Wool sorting, cleaning, etc and combing and top making**					
Wool tops	157.3	160.3	159.6	163.5	169.9
414/2 **Yarns spun on the worsted and semi-worsted systems**	144.8	154.4	155.0	156.9	159.9
Yarns of wool spun on the worsted system	152.0	159.2	159.3	160.4	162.4
Yarns of man-made fibres spun on the worsted system	133.6	140.2	140.6	142.0	143.5
414/3 **Woven worsted fabrics**	145.5	150.0	150.4	150.5	152.8
414/4 **Wool rag'**	161.0	164.5	166.2	164.5	166.9
414/5 **Woollen spinning and weaving**					
Woven woollen fabrics (other than blankets)	156.4	166.7	166.9	167.9	170.0
Woven woollen fabrics (other than blankets) containing 50 per cent or more by weight of wool or fine animal hair	161.0	169.4	169.5	170.7	171.1
Spinning and weaving of jute and other yarns on the jute system	134.5	142.8	142.8	143.0	145.0
Spun yarns of jute and man-made fibres	137.4	151.5	151.5	152.2	158.6
Woven cloths of jute and man-made fibres	130.4	139.4	139.4	139.4	139.4
Woven cloths of polypropylene on the jute system	134.3	139.0	139.0	139.0	139.0
Rope, twine and net	123.9	128.8	129.1	129.2	129.8
Cordage, cables, ropes and twine of textile materials (excl. agricultural twines)	122.9	130.1	130.4	130.6	131.4
417 **Hosiery and other knitted goods**					
Socks and stockings	130.3	138.8	144.5	145.7	146.3
Women's socks and stockings	122.2	129.8	136.8	137.8	138.6
419 **Carpets and rugs**	146.6	154.4	156.5 p	160.1	160.4
Woven carpets and carpet type rugs	160.0	168.2	171.5	176.5	176.8
—faced with yarn containing at least 50 per cent but less than 100 per cent by weight of wool	162.1	171.0	175.3	179.4	179.8
Rugs including pile fabric, deep pile knitted	149.7	159.1	159.4	165.4	167.6
421 **Narrow fabrics**					
Petershams, galloons and ribbons	154.0	157.5	162.5	170.6	170.9
422 **Made-up textiles**					
422/1 **Household textiles and handkerchiefs**	138.2	147.9	148.8 p	149.2	150.1
Hand and bath towels	149.4	156.9	157.8 p	157.8	158.9
429 **Other textile industries**	160.6	168.2	175.1	176.2	176.2
429/1 **Asbestos manufactures**	167.3	173.6	184.0	184.0	184.0
429/2 **Miscellaneous textile industries**					
Mechanically bonded fibre-needled fabrics	154.5	168.2	168.9	169.9	170.0
XIV Leather goods and fur					
431/1 **Leather**					
Finished leather – for footwear	133.2	156.3	166.0	166.0	179.7
432 **Leather goods**	146.0	152.8	163.9 p	164.9	164.9
XV Clothing and footwear					
441 **Weatherproof outerwear**	134.3	143.6	146.2 p	146.7	146.7
Raincoats (excl. those of infants)					
Raincoats other than of plastics material	131.2	139.0	142.0 p	142.3	142.3
Weather protective industrial clothing of PVC coated materials	148.1	154.2	163.0	168.3	168.3
442 **Men's and boys' tailored outerwear**	133.3	145.0	145.7	147.0	148.3
Men's and boys' suits	140.1	153.7	153.7	155.4	157.8
Men's trousers (sold separately)	123.5	134.5	134.7	135.3	135.6
444 **Overalls and men's shirts, underwear, etc**	147.5	151.9	155.5 p	156.1	156.4
444/2 **Men's and boys' shirts, underwear and nightwear**	137.4	141.6	146.1 p	146.5	147.0
449 **Corsets, gloves and miscellaneous dress industries**	143.5	152.7	159.4	160.8	161.1
449/1 Corsets	133.4	139.0	145.9	149.2	149.2
Brassieres	153.1	164.3	175.6	175.7	175.7
449/3 **Umbrellas and walking sticks**	135.3	142.0	144.9	144.9	145.7
450 **Footwear**	144.2	153.4	157.8	158.3	159.0
Outdoor footwear	144.5	154.4	158.5	159.0	159.6
Boots and shoes with uppers wholly or mainly of leather	152.1	163.8	168.1	168.9	169.8
Men's boots and shoes with uppers wholly or mainly of leather	154.8	162.1	166.6	168.3	169.1
Women's boots and shoes – with uppers wholly or mainly of leather	153.6	167.4	173.6	173.6	175.2
Slippers, houseshoes and ballet shoes					
Women's slippers, houseshoes and ballet shoes	147.5	149.1	161.2	161.2	162.6
XVI Bricks, pottery, glass, cement, etc					
461 **Bricks, fireclay and refractory goods**	159.0	170.2	171.8 p	172.9	173.9
461/1 **Refractory goods**	166.3	171.9	174.2 p	174.5	176.2
Refractory bricks and shapes	167.9	174.0	174.6 p	175.1	177.0
Firebricks and shapes	151.9	159.5	161.6 p	161.7	162.8
461/2 **Clay building bricks and other non-refractory goods**	152.6	167.9	168.8	170.4	170.9
Common, facing and engineering bricks	151.5	168.5	168.6	169.7	170.3
Common bricks	147.8	168.4	168.4	168.8	169.5
—Non-fletton (ex-works)	152.3	174.5	174.5	175.3	176.6
—Fletton (delivered)	142.2	160.7	160.7	160.7	160.7
Facing bricks	155.2	169.3	169.5	171.2	171.5
—Non-fletton (ex-works)	162.4	175.7	176.0	178.7	179.1
—Fletton (delivered)	142.0	157.4	157.4	157.4	157.4
Engineering bricks (ex-works)	148.2	165.4	165.3	165.6	167.4 e
Engineering bricks (delivered)	154.4	164.7	169.3	170.0	171.7
Clay roofing tiles – (ex-works)	146.5	162.6	173.7	173.7	173.7
Unglazed floor quarry tiles – (ex-works)	158.5	170.2	176.3	176.3	176.3
462 **Pottery**	146.8	159.2	160.7 p	165.0	165.2
462/1 **Electric ware incl. insulators and insulator fittings wholly or mainly of ceramic material**	147.3	157.4	158.0	164.8	166.2
462/2 **Vitreous china sanitary ware and pottery tiles**	148.1	160.1	162.5	162.5	162.5
Tiles, excl. pre-cast concrete tiles	131.0	145.2	145.2	145.2	145.2
Vitreous china sanitary ware	170.3	179.5	185.0	185.0	185.0
463 **Glass**	155.3	165.2	166.6 p	167.0	167.6
463/1 **Glass other than containers and vacuum ware**	154.0	164.1	165.4 p	166.0	166.8
Flat glass	157.6	167.4	167.4	167.4	167.4
Domestic and ornamental glassware	154.5	166.1	171.9	173.1	173.1
—Hand gathered	153.1	159.4	165.4	167.8	167.8
—Mechanically gathered	155.1	168.8	174.4	175.2	175.2
Laboratory hygienic and pharmaceutical glassware and balls, tubing and rods	147.9	161.0	163.1	164.8	165.1
Glazing sheet and plate glass	159.5	169.0	169.0	169.0	169.0
463/2 **Glass containers and vacuum ware**					
Glass containers	156.8	166.5	167.8	168.0	168.4
non-tubular for all products excl. wines, spirits, beer and cider	156.4	168.3	170.3	170.6	171.3
464 **Cement**					

Table 3 **Commodities produced in the United Kingdom (published monthly)** *continued*

1975 = 100

1968 SIC order or MLH and industry	1978 Mar	1978 Dec	1979 Jan	1979 Feb p	1979 Mar p
Calcareous cement (other than clinker) delivered in bulk	159.7	169.2	173.7 p	183.0	185.3
Cement in bags	160.3	170.0	175.2 p	186.1	189.7
469/1 **Abrasives**	161.3	172.2	172.6	173.3	174.0
Abrasive wheels (disc wheels, segment sharpening stones and other forms of bonded abrasives incl diamond)	164.2	175.3	175.9	176.9	176.9
Coated abrasives – abrasive paper and cloth	156.1	166.5	166.5	166.5	168.6 e
469/2 **Miscellaneous building materials and mineral products**	163.8	176.0	179.3 p	180.6	183.3
Plasterboards	138.2	148.1	148.1	148.1	148.1
Precast concrete goods	158.1	169.7	170.0 p	172.2	173.7
Concrete blocks, bricks, kerbs and edgings					
Flagstones	145.6	168.4	169.4	178.4	180.3
Kerbs and edgings	135.5	158.0	158.9	168.7	169.7
Precast concrete building blocks – delivered	157.5	173.0	174.7	179.3	184.7
Precast concrete pipes to BS556 – delivered	173.6	176.5	176.5 p	176.5	176.5
Roofing tiles and fittings and concrete/terrazzo floor and wall tiles	148.6	157.0	157.0	157.4	162.5
Asbestos cement goods	184.7	212.1	212.1	212.1	228.6
Bituminous and flax felts	153.5	157.4	157.4	157.4	159.4 e
Insulating materials for thermal and acoustic purposes n.e.s.	151.6	162.7	163.5	169.9	174.0
Quicklime	164.2	184.9	200.1 p	200.1 e	200.1 e
Limestone dressed, polished, etc	173.1	196.2	196.8 p	198.8	200.5 e
Plaster (gypsum)	139.5	147.7	147.7	147.7	147.7
XVII Timber, furniture, etc					
471/1 **Timber, sawmilling etc**					
Homegrown sawn hardwood	159.3	178.1	181.7	182.1	187.0
Hardwood flooring blocks and mosaic flooring	139.2	143.9	146.2	146.7	147.1
471/2 **Builders' woodwork**	151.6	158.7	160.1	160.6	161.3
Door sets, leaves and frames and window frames	155.7	159.0	160.5	160.5	162.0
Door leaves	155.8	160.3	161.0	161.0	164.0
Window frames	155.8	157.6	159.9	159.9	159.9
Timber structures and structural components	147.6	159.5	159.6	160.9	161.1
472 **Furniture and upholstery**	142.3	149.9	153.3	157.0	158.3
Domestic upholstered furniture	137.2	145.8	148.7	152.2	153.6
Domestic wooden furniture	146.2	154.4	157.5	161.3	162.9
Bedroom furniture, excl. built-in	140.4	150.6	153.5	154.7	156.6
Kitchen furniture (excl. built-in) other than tables and seating	146.1	163.3	166.6	169.9	172.2
Dining/living room furniture, excluding built-in	145.5	165.4	166.0	167.7	170.4
Seating	148.5	155.2	159.8	164.1	164.7
Occasional furniture for dining/living room	145.0	153.0	155.6	161.1	162.0
473 **Bedding and soft furnishings**	142.5	150.4	155.2	158.4	160.2
Fully finished mattresses	153.8	163.4	166.2	173.3	175.6
Bolsters and pillows (covered)	190.3	192.3	196.6	201.8	204.0
XVIII Paper, printing and publishing					
481 **Paper and board**	130.7	134.3	136.6	138.0	140.7
Printing and writing paper and all boards for printing (excl. newsprint)	131.3	136.2	137.0	137.6	143.3
Wrapping paper	120.5	127.2	127.2	127.6	127.6
All tissue stocks	128.2	128.3	130.8	130.8	130.8
Industrial and special purpose paper	127.2	128.1	135.1	135.8	136.8
Packaging boards	138.1	141.7	142.7	148.0	149.5
Industrial and special purpose boards	136.1	139.8	140.1	140.8	141.2
Packaging products of paper, board and associated materials	131.9	140.8	142.3	142.6	143.1
482/1 **Cardboard boxes, cartons and fibreboard packing cases**	135.5	143.9	144.7	145.1	145.7
Cartons	146.0	154.2	156.1	157.0	158.5
Fibre-board packing cases	126.1	134.4	134.4	134.4	134.4
—Solid	132.7	143.2	143.2	143.2	143.2
—Corrugated	125.6	133.7	133.7	133.7	133.7
482/2 **Miscellaneous packaging products of paper and film**	123.7	133.6	136.8	136.9	137.2
Paper bags	100.8	111.9	112.3	112.5	112.7
Paper sacks	125.6	140.1	140.1	140.1	140.2
483 **Manufactured stationery**	140.9	149.8	154.1	154.8	156.1
Commercial envelopes	128.9	133.5	145.4	145.4	145.4
Business forms	140.2	147.2	147.8	149.3	150.3
Continuous stationery	130.8	137.3	137.9	139.1	140.9
Stationery and scholastic books and ruled paper	148.7	164.4	168.1	168.1	168.1
Loose leaf supplies	136.7	153.3	154.8	156.1	156.7
Filing supplies	137.2	151.3	152.0	152.0	152.0
484 **Manufactures of paper and board not elsewhere specified**	135.9	140.3	141.2	141.5	145.5
484/2 **Miscellaneous manufactures of paper and board**	142.0	142.0	142.0	142.0	149.8
Toilet paper	137.9	137.9	139.7	140.7	148.4
Household and sanitary tissue products					
Handkerchiefs and facial tissues	139.5	139.5	139.5	139.5	150.3
Kitchen rolls and towels	136.0	136.0	136.0	139.4	148.5
XIX Other manufacturing industries					
491 **Rubber manufactures**	149.8	159.1	160.0	162.7	166.0
491/1 **Tyres and tubes**	146.1	152.6	152.6	157.7	161.7
New tyre covers	146.4	151.9	151.9	157.5	161.8
—cross-ply, car and van	149.0	149.5	149.5	158.0	163.9
—radial ply, car and van	147.1	151.8	151.8	157.3	161.4
—commercial vehicles	145.4	152.1	152.1	157.5	161.8
tractors, earthmovers and land/road	144.8	153.9	153.9	157.0	160.4
491/2 **Other rubber goods**					
Belting (of rubber or plastics)	151.9	163.9	168.1	168.9	169.2
Conveyor and elevator belting	154.9	167.7	173.4	174.1	174.5
Belting other than conveyor and elevator belting					
Transmission belting	143.7	153.7	153.7	154.9	154.9
Miscellaneous rubber products					
Cellular products of rubber	134.5	142.3	151.0	151.2	156.8
492 **Linoleum, plastics floor-covering, leathercloth etc**	134.5	140.3	140.3	141.4	143.9
493 **Brushes and brooms**	145.6	154.7	160.9	161.7	163.0
Decorating brushes and rollers	141.2	150.6	157.3	158.4	160.7
Toilet brushes	147.6	157.5	165.5	168.0	171.0
494 **Toys, games, children's carriages and sports equipment**	147.4	152.5	159.4	163.5	164.2
494/1 **Toys and games**	145.0	147.2	156.7	162.2	162.3
Dolls and soft toys	150.7	156.6	167.1	167.1	168.1
Mechanically self-propelled and die-cast metal toys	145.9	146.4	154.6	167.8	167.8
—mechanical (self-propelled) including train sets	140.1	141.6	156.7	157.0	157.0
—die-cast	146.9	147.2	154.3	169.6	169.6
Indoor table games	141.7	143.7	157.4	156.2	156.2
494/3 **Sports equipment**	156.8	170.2	170.2	171.4	174.4
495 **Miscellaneous stationers' goods**	138.7	144.6	145.3	145.3	147.3
495/1 **Pens and pencils**	146.9	155.4	157.5	157.5	158.3
Ballpoint pens	148.4	154.7	154.7	154.7	156.2
Fountain pens, stylos and markers	146.3	149.4	155.9	155.9	156.0
Fountain pens with stainless steel nibs	146.9	155.0	162.3	162.3	163.1
496 **Plastics products**					
Building materials of plastics	152.4	161.3	162.1	163.6	168.5
Pipes and fittings of plastics	158.2	168.1	168.6	169.3	176.4
Rainwater pipes and fittings of plastics	158.0	164.6	167.0	168.3	173.5
Packaging products and transit containers of plastics	143.7	147.2	151.0	152.6	159.8
Other plastics products					
Haberdashery of plastics (including slide and zip fasteners)	138.2	150.6	150.5	150.5	156.2
499/1 **Musical instruments**					
Pianos	155.5	155.8	157.4	163.5	163.5
Other indices					
312, 361/2, 362, 369/5 Part Electrical installation materials, domestic	140.2	154.3 p	154.5 p	158.3	159.2 e
338, 399/1, 399/3, 472 Part Office equipment and machinery (excluding computers and calculators)	139.7	151.8	154.0	154.4	155.0
399/1, 472 Part Office furniture	142.6	154.5	157.5	158.4	158.5
Special indices					
Granite and limestone roadstone	157.2	171.5	171.7	172.6	176.6
Petroleum products	152.3	152.3	152.3	157.9	161.9
Steel sheets	155.9	164.3	164.3	164.3	164.3
Steel sheet piling	162.6	163.0	168.8	179.4	179.4
Finished stainless steels	142.0	142.1	142.1	142.1	142.1
Finished steels (other than sheets tinplate, tubes, forgings and castings)	146.5	151.9	152.4	152.8	153.3
Steel castings	151.3	166.9	167.1	167.1	167.1
Semi-finished steels for forgings (other than drop forgings)	162.2	169.6	169.9	171.6	171.6
Malleable iron castings	156.5	168.6	170.9	171.6	171.6
Wrought aluminium	173.1	180.9	180.6	182.4	183.9
Brass ingots	118.3	129.8	133.5	150.1	153.9
Industrial pumps	147.3	157.8 p	159.7 p	160.9	161.0
Primary and secondary batteries	162.4	170.1	173.6	179.1	182.2
Door sets, leaves and frames	155.7	160.2	161.1	161.1	163.8
Domestic furniture	143.3	151.7	154.7	158.4	160.0
Divan sets	147.2	159.0	163.6	167.5	168.3

[1] Index based on scheduled outer zone prices for minimum bulk loads of 500 gallons (motor spirit 1000 gallons) exclusive of rebate.
[2] Source of price information: trade publications.
[3] Inclusive of VAT and car tax.
[4] These indices are specially constructed outside the normal wholesale price index structure. Their continued publication is a temporary measure to enable extant VOP contracts to be completed.

p Provisional. c Corrected. r Revised. e Estimates which are subject to possible major revision.

Wholesale price indices: further information

Correspondence: Departments of Industry, Trade and Prices and Consumer Protection, Economics and Statistics Division 4, Room 249, Sanctuary Buildings, Great Smith Street, London SW1P 3DB.

01-215 3073 General inquiries and **01-215 3544** tables 1, 1a and 2
01-215 5216 table 3 SIC orders II-VI and XII **01-215 3549** VII-IX and XVI
01-215 3548 XI, XIII-XV and XVII-XIX **01-215 3173** tables 4 and 5

Revision to table 3

1968 SIC		1977 Nov	1978 Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
279	**Other chemical industries**							145.8	146.8	148.2
279/4	**Formulated pesticides**	137.0						147.4	147.8	149.2
	Pesticides	147.3								
	Insecticides (other than seed dressings)	148.6								
	Containing organophosphorous compounds	125.7								
312	**Fittings for steel tubes**					149.8	151.0	151.0		
313	**Iron castings and pig iron**					151.4	153.0	153.4	153.5	156.1
313/3, 313/4	**Iron castings**					152.1	153.4	153.7	154.0	157.3
313/3	**Engineers castings**					149.6	151.0	151.3	151.5	
	Industrial and marine iron castings					152.2	152.8	153.7	154.1	
	Light engineering and hydraulic					152.0	154.0	154.9	154.9	
313/4	**Other iron castings**									
	Building and domestic goods					156.8	161.1	161.1	161.1	168.7
312, 361/2, 362, 369/5	Part **Electrical installation materials, domestic**		140.2	140.3	142.4	145.3	145.5	148.9	150.3	150.8

Table 4 Commodities wholly or mainly imported into the United Kingdom

1975 = 100

	1978 Mar	1978 Dec	1979 Jan	1979 Feb p	1979 Mar p
Hides, skins and fur skins undressed					
Hides and skins, imported	223.7	332.2	349.9	391.5	463.7
Hides	218.0	317.3	344.9	383.8	461.5
Wet	219.1	320.0	349.7	388.6	464.7
Dry	201.9	276.6	272.7	311.2	413.6
Calf skins	297.6	400.6	415.4	492.1	492.1
Hides and skins, UK origin	221.2	329.7	355.1	410.9	437.0
Hides and skins, UK origin and imported	219.3	322.4	348.5	397.2	443.6
Oilseeds, oilnuts and oil kernels	144.0	147.3	151.2	155.1	158.5
Groundnuts, African, cif Europe [1]	147.1	158.7	159.6	156.2	148.4
Copra, Philippine, cif Europe [1]	197.4	259.2	289.0	297.8	290.1
Palm nuts and kernels, Nigerian, cif Europe [1]	192.7	233.4	249.7	258.6	261.7
Soya beans, US No. 2 grade, cif UK [1]	143.8	140.2	142.4	147.2	151.6
Linseed, Canadian No. 1, cif UK [1]	79.9	91.1	94.1	91.0	101.9
Animal oils and fats					
Herring oil [1]	152.8	133.6	129.0	132.0	143.9
Fixed vegetable oils and fats					
Cottonseed oil, washed [1]	105.4	121.4	118.0	129.8	135.3
Groundnut oil, London, spot price [1]	151.5	202.9	238.7	238.7	238.7
Olive oil, Spanish edible, max. 1% ffa [1]	111.2	117.1	118.9	119.8	119.8
Linseed oil, cif London/Hull [1]	67.6	75.5	83.2	100.9	104.6
Palm oil, crude, London, spot price [1]	170.8	159.4	161.7	174.0	176.4
Coconut oil, cif Europe [1]	187.3	249.9	224.7	224.7	271.2
Castor oil, Brazilian No. 1 grade [1]	191.2	147.9	151.7	151.7	155.0
Crude rubber					
Natural rubber smoked sheet [1]	155.9	185.9	178.4	197.8	191.8
Wood, lumber and cork					
Softwood (delivered to consumers)	145.1	152.6	155.1	157.9	161.4 e
Hardwood (ex yard or wharf)	160.3	180.2	184.6	189.6	190.8
Keruing	123.0	165.3	169.5	170.5	169.8
Ramin	145.8	192.2	208.3	220.2	222.2
Utile	195.0	210.2	212.0	212.7	215.0
Meranti	131.1	159.7	163.5	159.4	159.4
Wood and cork manufactures					
Plywood and blockboard (delivered to consumers	146.1	156.5	157.7	161.4	162.9 e
Pulp and paper					
Woodpulp	88.6	97.2	103.2	103.3	101.6

	1978 Mar	1978 Dec	1979 Jan	1979 Feb p	1979 Mar p
Paper, paperboard and manufactures thereof					
Paper and paperboard	126.6	131.4	135.1	135.1	135.1
Newsprint paper	147.4	147.4	159.9	159.9	159.9
Textile fibres					
Raw wool, greasy or fleece washed, imported	142.6	149.7	147.7	155.4	164.6
Merino	132.3	133.2	131.4	136.5	143.6
Crossbred	155.3	170.3	168.0	178.9	190.6
Raw wool, UK origin	196.0	194.1	196.5	203.4	213.2
Raw wool, UK origin and imported	153.3	158.6	157.4	165.0	174.3
Raw cotton [1]	151.9	169.2	162.4	161.8	157.0
Raw jute [1]	139.3	123.4	122.8	118.7	117.5
Crude fertilisers and crude minerals					
Natural phosphates	73.5	73.0	73.6	78.0	78.2
Asbestos, Canadian, fob Quebec [1]	140.7	129.5	141.2	143.6	141.1
Steatite talc [1]	143.8	143.8	143.8	143.8	143.8
Metalliferous ores and metal scrap					
Bauxite, min. 86% Al_2O_3 [1]	160.1	160.1	170.5	170.5	170.5
Manganese ore, 48-50% Mn grade max. 0.1%P, cif Europe [1]	121.9	109.3	107.0	107.3	105.6
Chrome ore [1]	116.2	112.9	110.5	110.9	109.1
Tungsten ore, min. 65%, cif Europe [1]	189.9	174.1	159.1	150.7	168.9
Titanium ore [1]	110.5	107.2	105.4	104.9	102.2
Non-ferrous metals					
Silver, refined and partly refined [1]	137.6	149.4	154.1	183.1	181.9
Copper, LME settlement price [1]	117.9	138.1	147.7	174.1	180.3
Nickel, free market price [1]	121.3	105.2	99.4	107.4	125.7
Lead, LME settlement price [1]	163.9	230.4	265.7	282.0	310.2
Zinc, producers' price [1]	78.7	99.4	99.8	106.2	107.3
Zinc, LME settlement price [1]	79.4	103.4	107.2	118.6	116.1
Tin ingot, min. 99.75% LME settlement price [1]	193.7	230.8	222.8	235.5	238.9
Magnesium [1]	145.7	145.7	145.7	145.7	145.7
Bismuth [1]	75.0	72.9	71.3	71.6	70.4
Petroleum and petroleum products					
Crude oil [2]	136.6	134.4	132.9	132.9	132.9 e
Chemical elements and compounds					
Mercury, min. 99.99%, cif Europe [1]	116.6	129.0	163.7	186.9	203.4

[1] Source of information: trade publications. [2] Based on unit value of imports at their time of entry. p Provisional. e Estimates which are subject to possible major revision.

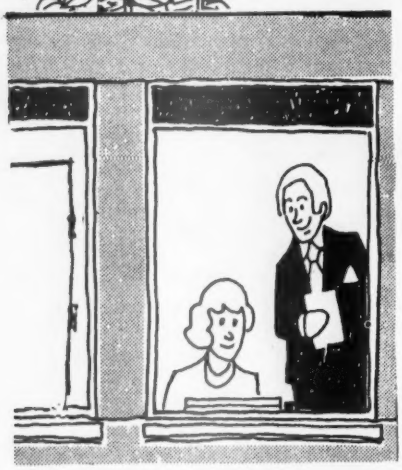
Table 5 United Nations index numbers of world export prices [1]

1970 = 100

	Primary commodities: Total $	Total £	Total Purchasers' currencies	Agricultural non-food $	Agricultural non-food £	Agricultural non-food Purchasers' currencies	Non-ferrous metals $	Non-ferrous metals £	Non-ferrous metals Purchasers' currencies	Primary commodities and non-ferrous metals [2] $	Primary commodities and non-ferrous metals [2] £	Primary commodities and non-ferrous metals [2] Purchasers' currencies
1974 1st qtr	303	318	274	232	244	209	160	168	144	284	298	256
2nd	304	304	263	229	229	198	183	183	159	288	287	249
3rd	309	315	274	221	225	196	142	145	126	287	292	254
4th	320	330	284	212	213	186	126	130	111	294	303	258
1975 1st qtr	312	313	261	201	202	168	124	124	101	287	287	240
2nd	299	309	250	198	204	166	121	125	101	275	284	230
3rd	295	333	261	196	220	173	118	133	105	271	306	240
4th	301	354	271	191	224	172	116	136	104	276	324	249
1976 1st qtr	306	368	279	202	243	184	120	144	109	281	338	256
2nd	310	412	289	212	282	198	135	179	126	286	381	267
3rd	314	427	291	227	308	211	140	190	130	291	395	270
4th	316	459	290	232	337	213	131	190	120	291	423	267
1977 1st qtr	341	478	311	241	338	220	142	199	130	314	440	286
2nd	350	489	316	249	348	224	143	200	129	322	450	289
3rd	339	469	302	227	314	202	138	191	123	312	432	278
4th	338	447	292	221	292	191	141	187	122	312	412	269
1978 1st qtr	347	432	287	229	285	189	140	174	116	319	397	264
2nd	347	454	283	242	316	198	141	184	115	319	417	261
3rd	350	435	272	250	311	194	152	189	118	323	402	251
4th [3]	359	434	269	265	321	199	162	196	121	333	402	249
1979 1st qtr [4]	375	450	282	264	321	196	159	194	120	335	403	251

[1] Published by the UN in terms of US dollars. For convenience the index numbers are also shown in sterling and in terms of purchasers' currencies by converting the dollar index at prevailing exchange rates. [2] This combined index is not published as such by the UN. [3] Provisional. [4] Projections by Department of Industry.

Office development permits: fourth quarter and year 1978



Approximately the same number of office development permits were issued by the Department of the Environment in 1978 as in 1977 but the area covered by these permits was appreciably greater.

Fourth quarter 1978

In the fourth quarter of 1978, the number of permits issued fell to 28 compared with 54 in the previous quarter. The floor space covered by these permits fell from 6.2 million sq ft to 2.4 million sq ft. In the fourth quarter of 1977, 45 permits covering 4.7 million sq ft were issued. Applicants for permits issued in the fourth quarter of 1978 stated that 94 000 sq ft of the floor space applied for would be offset by relinquishments (ie demolition of existing offices or conversions to non-office use). If permits for continuing use of existing offices are also deducted, the net potential addition to office floor space in the fourth quarter was 2.0 million sq ft compared with 3.1 million sq ft in the fourth quarter of 1977 and a quarterly average of 3.1 million sq ft for 1978 as a whole.

Annual comparison

The total area of the 161 permits issued in 1978 was 17.0 million sq ft compared with 165 permits covering 14.1 million sq ft in 1977, while the average area of floor space per permit rose from 85.3 thousand sq ft in 1977 to 105.7 thousand sq ft in 1978. Included in the 1978 total were 40 permits with a floor space of 3.6 million sq ft issued for continuing use as offices. Comparable 1977 figures for this category were 43 permits with a floor area of 4.5 million sq ft.

Table 1 Office development permits: sub-divisions of south-east planning region

	Central London			Rest of Greater London			Total Greater London		
		Thousand sq. ft			Thousand sq. ft			Thousand sq. ft	
	Number	Gross	Relinquished	Number	Gross	Relinquished	Number	Gross	Relinquished
1965 August-December	33	1 242	587	61	609	319	94	1 851	906
1966	69	1 229	676	142	1 700	906	211	2 929	1 582
1967	84	2 483	1 052	172	2 039	717	256	4 522	1 769
1968	127	6 601	4 051	169	2 099	518	296	8 700	4 569
1969	154	6 308	2 237	196	3 637	832	350	9 945	3 069
1970	266	10 921	4 827	238	5 110	895	504	16 031	5 722
1971	198	12 246	4 212	122	6 633	1 185	320	18 879	5 397
1972	139	10 302	3 788	125	7 299	1 496	264	17 601	5 284
1973	126	7 677	2 567	137	8 001	844	263	15 678	3 411
1974	51	4 606	609	72	2 532	229	123	7 138	838
1975	64	4 883	448	106	5 414	442	170	10 297	890
1976	75	6 545	1 119	82	3 376	155	157	9 921	1 274
1977	57	5 674	328	53	5 210	224	110	10 884	552
1978	52	7 753	333	57	5 095	430	109	12 848	763
1977									
1st qr	13	798	100	14	1 404	19	27	2 202	119
2nd	13	1 397	56	13	938	43	26	2 335	99
3rd	12	1 248	164	12	1 342	140	24	2 590	304
4th	19	2 231	8	14	1 526	22	33	3 757	30
1978									
1st qr	17	2 436	243	15	1 833	27	32	4 269	270
2nd	12	1 435	—	11	959	277	23	2 394	277
3rd	17	2 955	90	20	1 633	80	37	4 588	170
4th	6	927	—	11	670	46	17	1 597	46

	Metropolitan Region (excluding Greater London)			Total Metropolitan Region			South East (excluding Metropolitan Region)			Total South East		
		Thousand sq ft			Thousand sq ft			Thousand sq ft			Thousand sq ft	
	Number	Gross	Relinquished	Number	Gross	Relinquished	Number	Gross	Relinquished	Number	Gross	Relinquished
1965 August-December	71	804	150	165	2 655	1 056	—	—	—	165	2 655	1 056
1966	160	1 566	285	371	4 495	1 867	25	207	47	396	4 702	1 914
1967	185	1 633	326	441	6 160	2 095	84	937	194	525	7 097	2 289
1968	270	2 476	476	566	11 176	5 045	28	842	139	594	12 018	5 184
1969	82	1 957	364	432	11 902	3 433	32	1 374	107	464	13 276	3 540
1970	63	2 883	365	567	18 914	6 087	55	4 074	325	622	22 988	6 412
1971	127	6 884	360	447	25 763	5 757	76	3 198	303	523	28 961	6 060
1972	90	4 729	178	354	22 330	5 462	102	5 239	350	456	27 569	5 812
1973	130	5 732	454	393	21 410	3 865	84	4 484	325	477	25 894	4 190
1974	62	3 222	329	185	10 360	1 167	41	1 550	93	226	11 910	1 260
1975	86	2 258	51	256	12 555	941	46	1 319	113	302	13 874	1 054
1976	66	2 714	71	223	12 635	1 345	38	1 791	71	261	14 428	1 416
1977	36	1 960	37	146	12 844	589	19	1 226	10	165	14 070	599
1978	33	2 417	48	142	15 265	811	19	1 749	—	161	17 014	811
1977												
1st qr	17	731	2	44	2 933	121	6	429	—	50	3 362	121
2nd	5	184	17	31	2 519	116	8	480	—	39	2 999	116
3rd	5	268	14	29	2 858	318	2	162	—	31	3 020	318
4th	9	777	4	42	4 534	34	3	155	10	45	4 689	44
1978												
1st qr	5	307	—	37	4 576	270	4	261	—	41	4 837	270
2nd	9	483	—	32	2 877	277	6	716	—	38	3 593	277
3rd	13	1 081	—	50	5 669	170	4	549	—	54	6 218	170
4th	6	546	48	23	2 143	94	5	223	—	28	2 366	94

Gross area and area relinquished

Of the total floor space covered by permits issued in 1978, 0.8 million sq ft or 5 per cent was claimed by applicants to be offset by space relinquished for demolition or change from office to non-office use. This compares with 4 per cent in 1977 and 10 per cent in 1976.

Distribution within the south east region

During 1978, 52 permits issued for Central London accounted for 7.8 million sq ft or 46 per cent of the south east total: 4 per cent of this floor space was offset by relinquishments. Comparable figures for the whole of Greater London were 109 permits for 12.8 million sq ft (76 per cent of the total with 6 per cent relinquishments), and for the whole of the Metropolitan region, 142 permits for 15.3 million sq ft (90 per cent of the total with 5 per cent relinquishments).

Size of permits

Table 2 gives the distribution by size of permits issued. Permits are required for developments below the exemption limit if there have been previous related developments.

Inquiries: Department of the Environment, Room S13/15, 2 Marsham Street, London SW1P 3EB, tel. 01-212 8563.

Notes to tables

Application of controls. Control was applied to the Metropolitan region (Greater London and part of the south-east region) from 5 August 1965, but with retrospective application to 5 November 1964 for some projects, and to the west midland conurbation from 14 August 1965. In July 1966 control was extended to the remainder of the south east and west midland regions and to the whole of the east midland and East Anglia regions. In February 1969 East Anglia and rural parts of the midlands were excluded and since December 1970 control has applied only to the south east region.

Modifications to controls. On 14 June 1977 the exemption limit for permits throughout the south east region was raised from 15 000 to 30 000 sq ft. Office development permits are not required for offices ancillary to industrial development covered by an appropriate industrial development certificate.

Definition of areas. See *Trade and Industry*, 2 Sept 1977, page 432.

Area relinquished. Comprises office floor space relinquisned for demolition or change of use to non office use.

Domestic furniture: deliveries and orders in February

Domestic furniture deliveries for February are provisionally estimated at £85.6 million (at current prices), which gives a seasonally adjusted index of deliveries for the month of 109. The average for the latest three months, December to February, is 108 which is 1.3 per cent lower than the revised figure for the previous three months, September to November, and 4.0 per cent higher than the figure for the same period a year earlier.

The index of orders-on-hand, on a seasonally adjusted basis, yields a provisional figure of 75 for February. The average for the three months December to February is 82 which is a fall of 1.2 per cent from the revised figure for the previous three months, and is 18.8 per cent higher than the corresponding period last year.

Inquiries: Department of Industry, Trade and Prices and Consumer Protection, Economics and Statistics Division 3B, Room 107, Dean Bradley House, 52 Horseferry Road, London, SW1, tel. 01-212 8662.

New method

A new method has been used to calculate the index of deliveries – an improvement over the method used previously in that the quarterly results from Business Monitor PQ 472 are now fully incorporated into the calculation. The indices are given on 1975 constant price basis, with 1975 = 100. When price increases are large, the problems associated with revaluation to constant prices become more acute. Thus relative accuracy with which volume changes have been measured is likely to have been reduced in times of high inflation.

	Domestic furniture	Deliveries £m current values	Index of deliveries (1975 = 100) Unadjusted	Index of deliveries (1975 = 100) Seasonally adjusted	Index of orders on hand (end of month or centred average 1975 = 100) Unadjusted	Index of orders on hand (end of month or centred average 1975 = 100) Seasonally adjusted
1974		430.7		88		92
1975		578.9		100		100
1976		660.2		102		84
1977		751.0		100		70
1978		920.5		110		75
1977						
	3rd qtr	168.7	87	97	62	66
	4th	217.7	110	102	69	67
1978						
	1st qtr	220.6	108	104	75	70
	2nd	225.6	108	112	68	70
	3rd	219.2	102	114	71	76
	4th	255.1	116	108	87	85
1977						
	Jul	48.0	75	98	60	65
	Aug	52.3	81	96	63	66
	Sep	68.4	106	96	65	66
	Oct	73.2	111	101	66	66
	Nov	78.8	119	101	74	69
	Dec	65.7	98	104	68	65
1978						
	Jan	70.4	104	102	78	72
	Feb	72.6	106	104	77	70
	Mar	77.5	113	107	71	69
	Apr	76.3	110	113	70	72
	May	73.2	105	109	66	70
	Jun	76.2	110	113	61	68
	Jul	60.6	85	112	66	73
	Aug	70.4	98	116	77	80
	Sep	88.2	122	115	81	83
	Oct	87.2	120	104	84	84
	Nov	93.2	128	108	92	86
	Dec	74.7	101	113	89	85
1979						
	Jan	80.4 r	107	101p	88 p	81 p
	Feb	85.6 p	112 p	109 p	83 p	75 p
Averages						
Sep-Nov 1978				109		83
Dec 78-Feb 1979				108		82
Percentage change				−1.3		−1.2
Dec 77-Feb 1978				103		69
Dec 78-Feb 1979				108		82
Percentage change				+4.0		+18.8

r Revised. p Provisional.

Letters to the editor

Letters to the editor should be addressed to the Editor, *Trade and Industry*, Eighth floor, 1 Victoria Street, London SW1H 0ET, and *not* to HMSO.

Table 2 Size analysis of permits

Thousand sq ft	1974 Number	1974 Gross area	1975 Number	1975 Gross area	1976 Number	1976 Gross area	1977 Number	1977 Gross area	1978 Number	1978 Gross area
Total south east planning region										
Up to 10	31	177	56	250	46	239				
11-20	63	985	85	1 269	53	854	40	705	15	244
21-30	78	2 599	96	3 057	86	2 624	34	1 342	35	1 476
31-50							46	3 268	62	4 229
51-100	54	8 149	65	9 298	76	10 709	45	8 755	49	11 065
Over 100										
Total	226	11 910	302	13 874	261	14 426	165	14 070	161	17 014
Average area per permit		52.7		45.9		55.3		85.3		105.7
Greater London										
Up to 10	14	91	25	106	23	108				
11-20	39	609	49	762	32	501	22	381	7	125
21-30	44	1 452	46	1 518	46	1 450	24	926	26	1 079
31-50							28	2 050	37	2 526
51-100	26	4 986	50	7 911	54	7 853	36	7 527	39	9 118
Over 100										
Total	123	7 138	170	10 297	157	9 921	110	10 884	109	12 848
Average area per permit		58.0		60.6		63.2		98.9		117.9
South east (excluding Greater London)										
Up to 10	17	86	31	144	23	131				
11-20	24	376	36	507	21	344	18	324	8	119
21-30	34	1 147	50	1 539	38	1 174	10	416	9	397
31-50							18	1 218	25	1 703
51-100	28	3 163	15	1 387	22	2 856	9	1 228	10	1 947
Over 100										
Total	103	4 772	132	3 577	104	4 505	55	3 186	52	4 166
Average area per permit		46.3		27.1		43.3		57.9		80.1

Moneylenders Acts 1900 to 1927

Orders of exemption

The following companies held orders of exemption at 31 March 1979 issued under section 6(e) of the Moneylenders Act 1900

A. Booth (Estates) Ltd
Agricultural Supplies (Cambridge) Ltd
Airedale Investment Ltd
Alex Lawrie Factors Ltd
Anglo-French Finance Company Ltd
ANZ Overseas Finance Ltd
Artgate Ltd
Ashbrae Finance (UK) Ltd
Associates Capital Corporation Ltd
Austin Morris Group Facilities Ltd

B. A. Finance Ltd
Banca Commerciale Italiana Ltd
Barclays Overseas Development Corporation Ltd
Beamtenheimstattenwerk Gemeinnutzige Bausparkasse Fur Den Offentlichen *Dienst Gesellschaft Mit* Beschranker Haftung
Book Trade Improvement Ltd
British Maritime Trust Ltd
B. S. G. Finance Ltd
Bucks Land and Building Co Ltd
Builders and General Mortgage Co Ltd. (The)
B. W. Trade Facilities Ltd

Cameron Fund Ltd. (The)
Canadian Ashland Finance (UK) Ltd
Capital Development Co Ltd
CDFC (Ceylon) Ltd
CDFC International Ltd
CDFC (Malaysia) Ltd
Chrysler Wholesale Ltd
CIN Industrial Finance Ltd
Circle and Piotrkow Provident and Investment Society Ltd
City and Colonial Trust Ltd
Claymore Field (Finance) Ltd
Commerce International Trust Ltd
Commonwealth Development Finance Co Ltd
Council for Small Industries in Rural Areas

Deutsche Bank (UK) Finance Ltd
Development Finance International Ltd
D. F. J. Charles Ltd
Diaome Ltd
Dominion Charter Merchant Trust Ltd
Dorset, Somerset and Wilts Investment Society Ltd
Dreghorn Holdings Ltd
Dunlop Investments Ltd
Dunlop Securities Ltd

EBS Investments Ltd
English Association Investment Trading Co Ltd. (The)
Equipment Credit Ltd

Faircliffe Finance Co Ltd. (The)
Farnworth Finance Facilities Ltd
Fenlock Investments
Finance Corporation for Industry Ltd
Finfur Ltd
First Maryland Finance Ltd
First National Housing Trust Ltd
Ford Financial Trust Ltd
Ford Motor Credit Co Ltd
F. W. Developments Ltd

GEC Investments Ltd
Gee and Watson (Welfare and Benevolent) Ltd
General Reversionary and Investment Co Ltd
Grand Metropolitan (Finance) Ltd

Henderson Administration Ltd
Heritable Securities and Mortgage Investment Association Ltd. (The)
Hoeschst Finance Ltd
Home and Country Properties Ltd

Independent Factors Ltd
Indochine Finance (UK) Ltd
Insurance Export Finance Co Ltd
I. S. Blomfield Ltd
Ivor Hill (Investments) Ltd

John Laing Construction *(Finance) Ltd*
J. P. Morgan Interfunding Corporation
J. T. Group Ltd
Jubilee Money Society Ltd

Lancashire and Yorkshire Reversionary Interest Co Ltd
Langersal Ltd
Langham Life Finance Ltd
Law Reversionary Interest *Society Ltd. (The)*
Leadenhall Commodities Ltd
Liverpool Reversionary Co *Ltd. (The)*
L. L. and E. Finance (GB) Ltd
London Mercantile Finance *Ltd*
London Mercantile Guarantee Ltd
Lyle Finance International Ltd

Mall Trust Corporation Ltd
Manufacturers Hanover Export Finance Ltd
Master Bakers and Confectioners *Finance Co Ltd*
Merban Ltd
Mercantile Wholesale (Vauxhall) Ltd
Methodist Chapel Aid Association Ltd
Midland Industries (Finance) Ltd
MIT Securities Ltd

National and Commercial Development Capital Ltd
National Film Finance Consortium Ltd
NCNB (Export Finance) Ltd
New York London Finance Co Ltd

Ogden Street Estates Ltd
Ordinto Investments Ltd

Pan American Employees Mutual Association Ltd
Paribas Finance Ltd
Phoenix Redcliffe Ltd
Piper Finance Ltd
Pleasure Heating Finance and Developments Ltd
Property Investment and Finance (Developments) Ltd

Queen Street Trust Ltd

Raleigh Industries (Gradual Payments) Ltd
Raymond Finance Ltd
Rediffusion Finance Ltd
Renault Acceptance Ltd
Rio Tinto Finance and Exploration Ltd
RMC Finance Ltd
Robert Fleming and Co Ltd
Robert Stanton Ltd
Roitex Ltd
RTZ Finance Ltd

St Paul's Guarantee Corporation Ltd
Sale Tilney (Finance) Ltd
Scottish and European Finance Ltd
Selap Ltd
Selection Trust Ltd
Ship Mortgage Finance Co Ltd
South Birmingham Savings Society Ltd
Southsea Mortgage and *Investment Co Ltd*
Standard Guarantee Ltd
Suffolk Mercantile Trust Ltd
Swiss Bank Corporation (International) Ltd

Thomson North Sea Finance Co Ltd
TKM Credit Corporation Ltd
TKM Factors Ltd
Toronto Dominion Bank Investment (UK) Ltd
Treesford Securities Ltd
TSB Trustcard Ltd
TWA United Kingdom Credit Union Employees Ltd

UDT International Finance Ltd
UKF Fertilisers Ltd
Unigate Credit Ltd

Wates Ltd
Wessex Finance Corporation Ltd
Westminster House and Land *Investment Co Ltd*
Whitehall Securities Corporation Ltd
Wholesale Vehicle Finance Ltd
Wilkinson Finance Ltd

Yorkshire Bank Finance Ltd

Bona fide bankers

The following persons held certificates, valid at 31 March 1979 under section 123 of the *Companies Act 1967*, to the effect that they had satisfied the Department of Trade that they *could properly be treated for the purposes of the* Moneylenders Acts 1900 to 1927 as being persons bona fide carrying on the business of banking.

African Continental Bank Ltd
Allied Arab Bank Ltd
Allied Bank International
Amex Bank Ltd
Anglo-Continental Trust Ltd (in liquidation)
Anglo-Eastern Bank Ltd

Banco do Estado de Sao Paulo SA
Bank of Europe Ltd
Bank Fur Gemeinwirtschaft AG
Bank Hapoalim BM
Bank Julius Baer International Ltd
Bank of New Providence Ltd
Bank of New South Wales Savings Bank Ltd
Bank of Tokyo Trust Co. (The)
Banque Francaise de Credit International Ltd
Barclays Bank Trust Co Ltd
Barnett, Christie Ltd
Beverley Acceptances Ltd
Boston Trust and Savings Ltd
Bowmaker Ltd
Bremar Holdings Ltd
British Linen Bank Ltd
Brook Securities and Co Ltd
Burlington Investments Ltd
Burston Finance Ltd (in liquidation)

Cannon Street Acceptances Ltd (in liquidation)
Capitol Consumer and Commercial Finance Ltd
C. E. Coates and Co Ltd
Cedar Holdings Ltd
Central Trustee Savings Bank Ltd
Chancery Trust Ltd
Chase Manhattan Ltd
Citibank Trust Ltd
Citicorp International Bank Ltd
Cleveland Guaranty Ltd
Clydesdale Bank Finance Corporation Ltd
Commercial Bank of Malawi Ltd
Commercial Bank of Wales Ltd
Commercial Credit Services Ltd
Commercial Savings Bank of Australia
Commonwealth Trading Bank of Australia
Concorde Trust Ltd
Consolidated Credits and Discounts Ltd
Co-operative Commercial *Bank Ltd*
Corinthian Securities Ltd
Credit Suisse First Boston Ltd
Credito Italiano SpA
Cripps Warburg Ltd

David Samuel Trust Ltd (in liquidation)
Dawnay Day and Co Ltd
Drayton Corporation Ltd
Duboff Brothers Ltd
Dunbar and Co Ltd

Eagil Trust Co Ltd
Edward Manson and Co Ltd
E. S. Schwab and Co Ltd
European Brazilian Bank Ltd

First Chicago Ltd
First International Bancshares Ltd
First National Bank in Dallas
First National Finance Corporation Ltd
First National Securities Ltd

Goode Durrant Trust Ltd
Gray Dawes and Co Ltd
Gresham Trust Ltd
Greyhound Guaranty Ltd
Grindlays Bank (Scotland) Ltd
G. T. Whyte and Co Ltd (in liquidation)

Havana International Bank Ltd
Henry Ansbacher and Co Ltd
Heritable and General Investment Bank Ltd
HFC Trust Ltd
Hokkaido Takushoku Bank Ltd
Hume Corporation Ltd

Industrial Bank of Japan Ltd. (The)
Industrial Bank of Scotland Ltd
Investitions-Und Handels-Bank AG
Ionian Securities Ltd
Iran Overseas Investment Bank Ltd
Italian International Bank Ltd

Jacobs Kroll and Co Ltd (in liquidation)
Japan International Bank Ltd
Julian S. Hodge and Co Ltd

Knowsley and Co Ltd

Lloyds Associated Banking Co Ltd
Lloyds and Scottish Trust Ltd
Lombard North Central Ltd
London and County Securities Ltd (in liquidation)
London Capital Securities Ltd
London Mercantile Corporation Ltd

Medens Trust Ltd
Merrill Lynch International Bank Ltd
Mitsubishi Bank Ltd, (The)

N. H. Woolley and Co Ltd
Nordic Bank Ltd
North Carolina National Bank
Northern Commercial Trust Ltd
Northern Trust Co, (The)
Norwich General Trust Ltd

P. S. Refson and Co Ltd
People's Bank Ltd, (The)
Philipp Brothers and Joseph Ltd

R. Raphael and Sons Ltd
Red Dragon Securities Ltd
Republic National Bank of Dallas
Republic National Bank of New York
Robert Fraser and Partners Ltd
Royal Bank of Canada Trust *Corporation Ltd, (The)*
Royal Trust Company of Canada, (The)

St Margarets Finance Ltd
Scandic Credit and Commerce Ltd
Schlesinger Ltd
Security Trust Company Ltd
Societe Generale (France) Bank Ltd
Standard Chartered Merchant Bank Ltd
Sterling Credit Ltd
Sterling Industrial Securities Ltd

Trade Development Bank
Trucanda Trusts Ltd
Twentieth Century Banking Corporation Ltd

United Dominions Trust Ltd
United International Bank Ltd

Vavasseur Trust Co Ltd, (The)
Vernons Trust Corporation

Wallace Brothers Bank Ltd
Wells Fargo Ltd
Whiteaway, Laidlaw and Co Ltd
Williams, Glyn and Co
Wintrust Securities Ltd

Zambia National Commercial Bank Ltd

Protection of Depositors Act 1963

Banking and discount companies

The following companies are recognised by the Secretary of State for Trade as banking or discount companies for the purposes of the Protection of Depositors Act 1963 (as amended) as at 31 March 1979. Companies marked with an asterisk are also recognised as banking or discount companies for the purposes of schedule 8 to the Companies Act 1948 (as amended).

*Alexanders Discount Co Ltd
Algemene Bank Nederland NV
*Allen, Harvey and Ross Ltd
Allied Bank International
Allied Irish Banks Ltd
*American Express International Banking Corporation
Amex Bank Ltd
*Antony Gibbs Holdings Ltd
*A. P. Bank Ltd
Arab Bank Ltd
*Arbuthnot Latham and Co Ltd
*Australia and New Zealand Banking Group Ltd

Banca Commerciale Italiana SpA
Banca Nazionale del Lavoro SpA
Banco Central SA
*Banco de Bilbao
*Banco de Santander
Banco di Roma
Banco do Brasil SA
*Banco Espanol en Londres SA
Banco Urquijo Hispano Americano Ltd
Bank Hapoalim BM
Bank Julius Baer International Ltd
*Bank Leumi (UK) Ltd
Bank Melli Iran
*Bank of Adelaide, (The)
Bank of America International Ltd
*Bank of America National Trust and Savings Association
Bank of Baroda
*Bank of Cyprus (London) Ltd
*Bank of India
Bank of Ireland
*Bank of London and South America Ltd
*Bank of Montreal
*Bank of New South Wales
*Bank of New Zealand
*Bank of Nova Scotia, (The)
Bank of Scotland
Bank of Tokyo and Detroit (International) Ltd
*Bank of Tokyo Ltd, (The)
*Bankers Trust Co
*Banque Belge Ltd
*Banque Belgo-Zairoise SA
*Banque de L'Indochine et de Suez
Banque de Paris et des Pays-Bas, SA
*Banque Nationale de Paris Ltd
*Barclays Bank International Ltd
Barclays Bank Ltd
Barclays Merchant Bank Ltd
*Baring Brothers and Co Ltd
*British Bank of the Middle East, (The)
British Linen Bank Ltd
*Brown Shipley and Co Ltd

*Canadian Imperial Bank of Commerce
*Cater Ryder and Co Ltd
Central Bank of India

continued on next page

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*Charterhouse, Japhet Ltd
*Chase Manhattan Bank NA, (The)
Chemical Bank
Chemical Bank International Ltd
*C. Hoare and Co
*Citibank NA
City National Bank of Detroit
*Clive Discount Co Ltd
Clydesdale Bank Ltd
Clydesdale Bank Finance Corporation Ltd
*Commercial Banking Company of Sydney Ltd, (The)
*Commercial Bank of Australia Ltd, (The)
*Commercial Bank of the Near East Ltd, (The)
Commonwealth Trading Bank of Australia
Continental Illinois National Bank and Trust Company of Chicago
Co-operative Bank Ltd
County Bank Ltd
Coutts and Co
Coutts Finance Co
*Credit Industriel et Commercial
*Credit Lyonnais
Credit Suisse First Boston Ltd
Credito Italiano SpA
Crocker National Bank

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Daiwa Bank Ltd, (The)
Detroit Bank and Trust Co, (The)
Deutsche Bank Aktiengesellschaft
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*First National Bank of Chicago, (The)
First Pennsylvania Bank NA
First Wisconsin National Bank of Milwaukee
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Fuji Bank Ltd, (The)

*Gerrard and National Discount Co Ltd
*Gillett Brothers Discount Co Ltd
Girard Bank
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*Grindlay Brandts Ltd
*Grindlays Bank Ltd
*Guinness Mahon and Co Ltd

*Habib Bank Ltd
*Hambros Bank Ltd
Harris Trust and Savings Bank
*Hill, Samuel and Co Ltd
Hokkaido Takushoku Bank Ltd
*Hong Kong and Shanghai Banking Corporation, (The)

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*International Westminster Bank Ltd
Iran Overseas Investment Bank Ltd
Irving Trust Co
Italian International Bank Ltd

Japan International Bank Ltd
*Jessel, Toynbee and Co Ltd
*J. Henry Schroder Wagg and Co Ltd
Johnson Matthey Bankers Ltd
Julian S. Hodge and Co Ltd

*Keyser Ullmann Ltd
*King and Shaxson Ltd
*Kleinwort Benson Ltd

*Lazard Brothers and Co Ltd
*Leopold Joseph and Sons Ltd
*Lewis's Bank Ltd
Lloyds Associated Banking Co Ltd
*Lloyds Bank International (France) Ltd
*Lloyds Bank International Ltd
Lloyds Bank Ltd
Lombard North Central Ltd
London and Continental Bankers Ltd

*Manufacturers Hanover Trust Co
Marine Midland Bank
*Mellon Bank NA
*Mercantile Bank Ltd
Mercantile Credit Co Ltd
Merrill Lynch International Bank Ltd
*Midland and International Banks Ltd
Midland Bank Ltd
Mitsubishi Bank Ltd
Mitsui Bank Ltd
*Morgan Grenfell and Co Ltd
*Morgan Guaranty Trust Company of New York
*Moscow Narodny Bank Ltd

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*National Bank of Greece SA
*National Bank of New Zealand Ltd, (The)
*National Commercial and Glyns Ltd
National Westminster Bank Ltd
*Nedbank Ltd
*N. M. Rothschild and Sons Ltd
Nordic Bank Ltd
Northern Trust Company of Chicago

Orion Bank Ltd
*Ottoman Bank

*Rea Brothers Ltd
Republic National Bank of Dallas
*Royal Bank of Canada, (The)
Royal Bank of Scotland Ltd, (The)

Saitama Bank Ltd, (The)
*Samuel Montagu and Co Ltd
Samuel Montagu (MBFC) Ltd
*Sanwa Bank Ltd, (The)
Scandinavian Bank Ltd
*Seccombe Marshall and Campion Ltd
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*S. G. Warburg and Co Ltd
*Singer and Friedlander Ltd
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*Smith, St Aubyn and Co Ltd
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*State Bank of India
Sumitomo Bank Ltd, (The)
*Swiss Bank Corporation

Tokai Bank Ltd, (The)
*Toronto-Dominion Bank, (The)

UBAF Bank Ltd
*Union Bank of Switzerland
*Union Discount Company of London Ltd, (The)
*United Bank Ltd
United Dominions Trust Ltd
United International Bank Ltd

Wells Fargo Ltd
Westdeutsche Landesbank Girozentrale
Williams, Glyn and Co
Williams and Glyn's Bank Ltd

*Yorkshire Bank Ltd

Made-up clothing: orders and deliveries in January

In the three months ended January 1979, deliveries by the clothing industry were provisionally estimated to have been 3 per cent higher than in the preceding three months while net new orders were 9 per cent higher. Orders-on-hand at the end of January 1979 were 1 per cent lower than the end October 1978. (These comparisons are based on the seasonally adjusted series in the accompanying table.)

In using the index numbers shown in the table, it should be borne in mind that, when price increases are large, the various problems associated with constructing a constant value series become more acute. Because of these difficulties the relative accuracy of the estimates is likely to have been reduced in recent years.

All indices have been rebased from 1970 = 100 to 1975 = 100.

Inquiries: Department of Industry, Room 524, Dean Bradley House, 52 Horseferry Road, London SW1P 2AG, tel. 01-212 0116.

Made-up clothing

Index numbers of total orders and deliveries

	Orders-on-hand (end period)		Net new orders		Deliveries	
	December 1974 = 100		Average 1975 Deliveries = 100		Average 1975 Deliveries = 100	
1973	110		108		102	
1974	100		100		100	
1975	98		103		100	
1976	92		102		98	
1977	96		107		104	
1978	102		109		106	
	Actual	Seasonally adjusted	Actual	Seasonally adjusted	Actual	Seasonally adjusted
1975						
1st qtr	112	116	103	109	103	106
2nd	115	106	116	105	100	100
3rd	88	95	83	97	97	97
4th	98	97	110	102	100	98
1976						
1st qtr	90	93	96	97	99	98
2nd	114	104	113	105	96	99
3rd	87	93	87	102	98	97
4th	92	91	110	102	101	98
1977						
1st qtr	101	105	110	110	105	104
2nd	108	99	107	99	100	104
3rd	91	97	97	111	104	103
4th	96	94	113	107	107	106
1978						
1st qtr	92	95	104	107	103	104
2nd	113	102	117	106	103	106
3rd	101	107	95	110	108	108
4th	103	106	119	116	111	110
1977						
Jan	99	102	98	113	93	104
Feb	98	103	110	106	111	105
Mar	101	105	121	110	111	102
Apr	106	104	115	105	100	104
May	113	100	118	89	101	102
Jun	108	99	87	104	99	107
Jul	97	96	94	119	105	105
Aug	91	96	82	109	93	102
Sep	91	97	116	105	115	101
Oct	91	95	126	98	123	104
Nov	95	94	116	97	107	101
Dec	96	94	97	126	91	112
1978						
Jan	93	95	88	103	91	101
Feb	90	94	108	106	110	103
Mar	93	95	115	112	108	107
Apr	106	102	134	110	112	106
May	119	103	125	106	96	107
Jun	113	102	88	101	102	105
Jul	106	106	93	113	110	111
Aug	99	107	76	106	94	105
Sep	93	107	117	112	119	108
Oct p	101	107	131	105	122	104
Nov p	104	105	130	114	118	113
Dec p	105	106	97	129	94	113
1979						
Jan p	105	108	93	108	89	99

p Provisional.

Wholesale textile houses: sales and stocks in February

Sales by wholesale textile houses in February showed an increase of 5 per cent on a year earlier, compared with a decrease of 8 per cent in December and an increase of 8 per cent in January.

The value of stocks at the end of February showed an increase of 14 per cent compared with the same period last year.

Inquiries: These statistics are prepared by Textile Distributors' Association. Inquiries should be addressed to the Secretary, Textile Distributors' Association, 3 Berners Street, London W1P 4JP, tel. 01-580 2902.

Textile export order to Japan is worth £500,000

Tweed Valley Knitwear Ltd has successfully negotiated with a leading Japanese consumer sales company a £500,000 textile order for autumn 1979 delivery following a British Knitting Export Council's mission to the Far East. While in Japan, Tweed Valley also took orders amounting to £200,000 for its knitwear. The range was received extremely well by the Japanese and included sweaters for both ladies and men, in cashmere, super-soft lambswool, merino, Shetland, alpaca, and a high fashion range illustrated below of lambswool/angora sweaters in the newest colours for winter, including damson, a rich deep purple, heather, a bright zippy mauve, gold, airforce and beaujolais.

Table 1 Textiles: wholesale sales and stocks

Index numbers and percentage increase compared with a year earlier — 1950 = 100

	Value of home sales		Value of stocks end period	
1966	110	−3	..	..
1967	104	−5	..	..
1968	108	4	..	..
1969	103	−5	..	..
1970	107	4	..	..
1971	115	8	..	..
1972	121	5	..	..
1973	134	11	..	..
1974	147	9	..	..
1975	147	1	..	..
1976	146	−1	..	..
1977	149	2	..	..
1978	164	10	..	..
1976 1st quarter	133	−8	234	7
2nd quarter	127	−6	212	8
3rd quarter	149	2	204	6
4th quarter	176	8	228	2
1977 1st quarter	140	5	252	7
2nd quarter	125	−2	224	6
3rd quarter	153	3	214	5
4th quarter	180	2	228	—
1978 1st quarter	144	3	234	−7
2nd quarter	141	13	222	−1
3rd quarter	179	17	234	10
4th quarter	192	7	275	20
1978 February	149	1	224	−10
March	191	3	234	−7
April	138	−1	211	−8
May	148	15	231	−4
June	138	28	222	−1
July	133	12	240	1
August	183	29	239	5
September	221	11	234	10
October	230	15	233	10
November	184	13	277	13
December	161	−8	275	20
1978 January	98	8	247	16
February	157	5	256	14

Table 2 Analysis by department

Percentage increase compared with a year earlier

	Sales		Stocks [2]
	Feb 1979	Jan-Feb 1979	Feb 1979
Women's knitted outerwear, blouses and skirts	27	13	13
Women's coats, costumes, furs and raincoats	−3	11	29
Women's underwear	−7	1	3
Women's hose and children's socks	−2	13	32
Haberdashery, ribbons and wool	—	13	27
Children's wear	−22	−15	−14
Men's and boys' ready made clothing and overalls	−4	9	25
Gloves	−9	21	−13
Piece-goods and nets	−36	−28	−9
Household textiles	10	15	4
Floor coverings, furniture and hardware	7	6	17
Boots and shoes	24	29	21
Total [1]	5	6	14

[1] Including some items not included among the sub-headings.
[2] Values at cost.

Business Monitors

The publication of most Business Monitors is delayed. It is hoped that normal publications will be resumed as soon as possible.

Patents recorded 'licences of right'

Under section 46 of the Patents Act 1977 the register was noted 'licences of right' in respect of the following patents on the date specified:

23 March 1979

1520560 Nissan Motor Co Ltd
A speedometer with an excessive speed warning device

1521387 Nissan Motor Co Ltd
Power steering control circuit having RC timing circuit to provide damping action against rapid change in wheel speed

1521794 Nissan Motor Co Ltd
Internal combustion engine assembly

1521797 Nissan Motor Co Ltd
Radar-operated collision avoidance system for roadway vehicles using stored information for determination of valid objects

1522749 Nissan Motor Co Ltd
Motor vehicle with a shelf in its luggage compartment

1227144 Continental Oil Co
Phase transfer catalysis of heterogenous reactions by quaternary salts

1324763 Continental Oil Co
Phase transfer catalysis of heterogenous reactions by quaternary salts

1247854 National Vendors (USA/UK) Ltd
A method and apparatus for infusing tea, coffee and the like

1387316 Licentia Patent-Verwaltungs-Gesellschaft mit Beschrankter Haftung
Improvements in or relating to tuneable circuit arrangements

1392442 Image Analysing Computer Ltd
Methods and apparatus for checking measurements made in image analysis systems

1440032 Geoffrey William Thomas
Improvements to woodworkers vices

1497071 EMI Ltd
Improvements in or relating to the mounting of deflection sensitive elements in transducers

1533919 BFG Glassgroup
Heat transmission from enclosure wall

2 April 1979

1208695 Chrysler United Kingdom Ltd
Improvements in or relating to gear boxes

1345160 Chrysler United Kingdom Ltd
Improvements in or relating to synchromesh gear hubs

1357234 Chrysler United Kingdom Ltd
An improved clevis assembly

1357636 Chrysler United Kingdom Ltd
Improvements in or relating to anthropomorphic models

1402375 Chrysler United Kingdom Ltd
Improvement in or relating to safety belt arrangements

1485879 Chrysler United Kingdom Ltd
Improvements in or relating to vehicle head lamp systems

1506582 Chrysler United Kingdom Ltd
Improvements in or relating to motor vehicle wheel assemblies

1509177 Chrysler United Kingdom Ltd
Improvements in or relating to motor vehicle bodies

1512008 Chrysler United Kingdom Ltd
Improvements in or relating to motor vehicle seat belt arrangements

1351415 Matsuskita Electric Industrial Co Ltd
CRT display apparatus

1398037 Matsuskita Electric Industrial Co Ltd
Automatic telephone answering apparatus

1405244 Matsuskita Electric Industrial Co Ltd
An automic fastener feeding and driving apparatus

1431305 Matsuskita Electric Industrial Co Ltd
Cooking time adjusting device for use in electronic oven

1431750 Matsuskita Electric Industrial Co Ltd
Electronic ovens

1460513 The Post Office
Improvements in or relating to the measurement of noise in a communication channel

1482089 The Post Office
Improvements in or relating to automatic frequency control

1492978 The Post Office
Coaxial cable joints and method of making same

1528954 The Post Office
Digital attenuator

1220220 Coal Industry (Patents) Ltd
Improvements in or relating to material discharge apparatus

1508174 Tiyung Chen
Improvements relating to folding beds

1510343 Agfa-Gevaert Aktiengesellschaft
Improvements in and relating to developing apparatus for electrophotographic copying apparatus

Any person who claims that the proprietor of the patent is, and was at the time of entry, precluded by a contract in which the claimant is interested from granting licences under the patent may, within three months after the making of the relevant entry, apply to the Comptroller on patents form 31/77 for cancellation of the entry.

I. J. G. Davis, Comptroller

Regional Statistics No 13 1977

Regional Statistics No 13 1977 is an essential reference book for professionals with an interest in regional industry, economics, markets or social characteristics. Compiled by the Central Statistical Office, it provides in one volume a detailed quantitative picture of regional variations within the United Kingdom across a broad range of topics; the subject headings are: Regional profiles (which are a selection of key statistics for each separate region and for counties within it), Social characteristics, Social services, Health, Housing, Education, Employment, Energy, Production, distribution and investment, Agriculture, Transport, Personal incomes, Household expenditure and Regional economic accounts.

Notes are given in an Appendix explaining the sources and definitions of the figures presented, and providing references to further material on each subject covered.

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ISBN 0 11 630171 6.

Registrations of British, community and foreign films

The following are details of films registered by the Department of Trade under the Films Acts 1960 to 1970, as amended by the European Communities Act 1972, during the week ended Friday, 13 April 1979.

BR/E indicates that the film is a British quota film, EC that the film is a quota film. The date which forms part of the registration number of each is the date on which quota life of the film expires.

Title of film	Registered no.	Playing time minutes	Date of registration	Registered in the name of	Maker's name
BRITISH					
The Class Of Miss MacMichael	BR/E 39993/14/4/84	95	10 April	Gala Film Distributors Ltd	Moonbeam Productions Ltd
Migrate To Survive	BR/E 39997/14/4/84	20	12 April	ITC Film Distributors Ltd	Penrose Film Productions Ltd and Gazelle Film Productions Ltd
Movietone News 2601	BR/E 39842/14/4/84	8	13 April	British Movietonews Ltd	British Movietonews Ltd
FOREIGN					
Ice Castles	F 39991	109	10 April	Columbia-EMI-Warner Distributors Ltd	International Cinemedia Center Columbia Pictures, California
The Children Of Theatre Street	F 39992	92	10 April	Columbia-EMI-Warner Distributors Ltd	Mack-Vaganova Company, New York
Dogs	F 39994	90	12 April	Enterprise Pictures Ltd	La Quinta Film Partners Ltd, California
Bruce Lee: The Man The Myth	F 39995	91	12 April	Enterprise Pictures Ltd	The Eternal Film (HK) Company, Kowloon
Firepower	F 39996	104	12 April	ITC Film Distributors Ltd	Michael Winner Ltd, London

NOTE
The playing time of the film 'Blood Relatives', EC 39783/15/10/83, registered on 13 October 1978 as 94 minutes, was incorrectly printed in *Trade and Industry* as 84 minutes.

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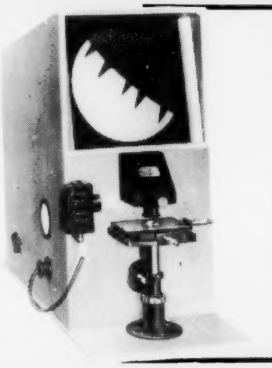

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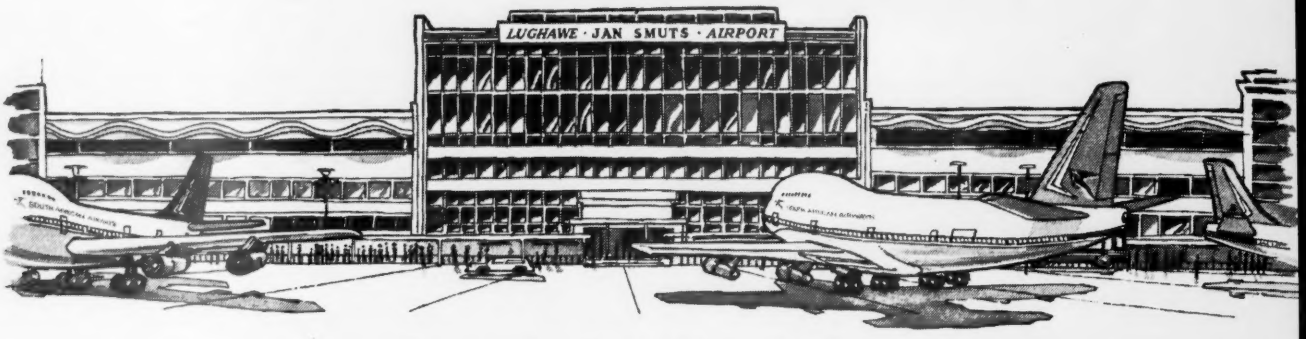

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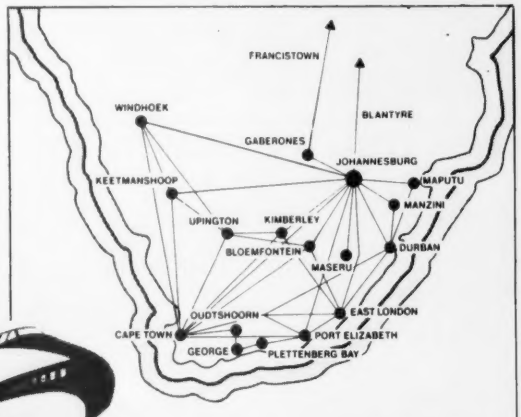

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